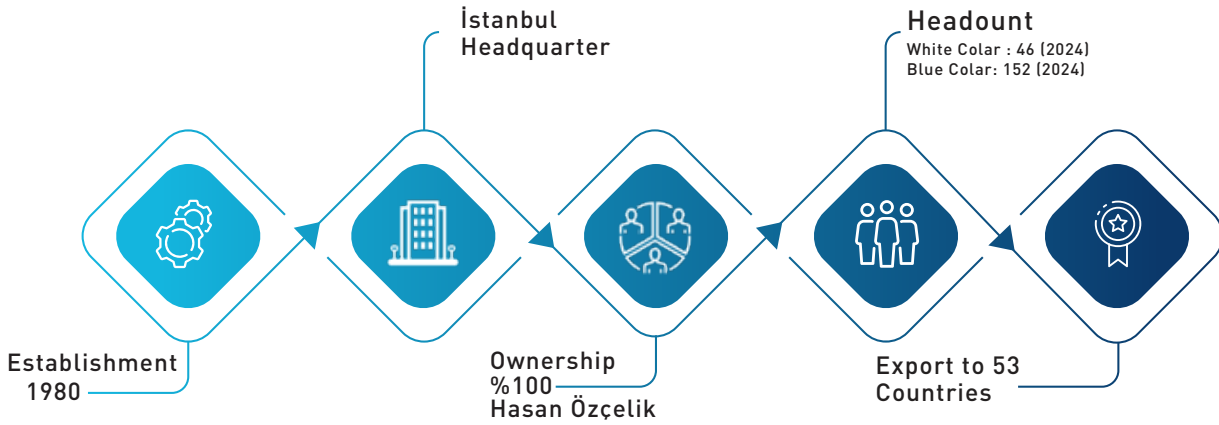




PRODUCT CATALOG

It is one of the leading and well-established brands in Aluminum & PVC profile processing machinery worldwide. Founded in 1980 in Istanbul by Hasan Özçelik and his brother Abdülkerim Özçelik, the Özçelik story, which started with a 25 m2 workshop in Ümraniye Industrial Site in Istanbul, is now a global company exporting to all continents with a closed area of 20,000 m2. From its establishment to the present day, with its understanding of quality and integrated facility structure, Özçelik has steadily become the locomotive company of its sector.

In this context, a management team consisting of experienced professionals was established with a holistic approach to the year 2022, and they began to lead the company's future vision. Özçelik has updated its company vision and mission statements in this context, and is moving confidently towards its goals by taking rapid steps in this direction."



Tuzla Factory



Özçelik boasts an integrated facility with various production capabilities, holding the distinction of being unique in its sector. These include:

Mold Shop

Winding

Sheet Metal and Welding Works

Machining

Carpentry

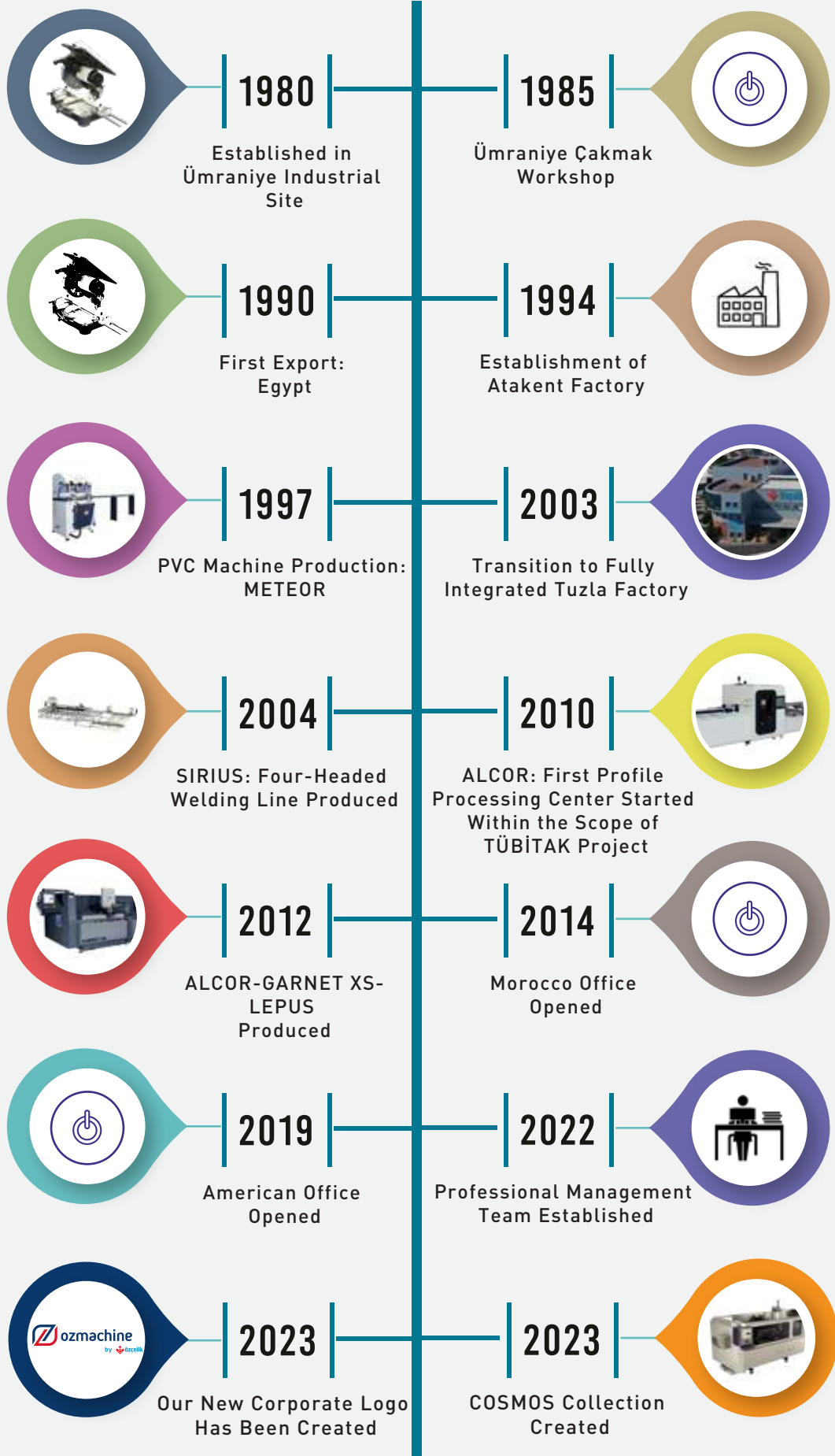
Special Cutting Area with Laser and Water Jet

Foundry

Paint Shop

Leveling

Since 1980, Özçelik has been...





Safety

We prioritize the highest level of safety in all our work and products, and we continuously improve ourselves in this regard.



Quality

Quality is our essential priority. In everything we do, every product and service, we continuously make improvements to provide our stakeholders with the products and services they desire.



Sustainability

We lead with our sustainable product and service and solutions for a better society and environment.



Customer Focus

We continuously improve our products and services and work together with our customers to help them succeed in their businesses.



Team Work

With the awareness that an organization is only as strong as its weakest link, we grow with all our stakeholders and work with a team spirit.



Human Capital

All our employees are valuable to us, and we continuously work for their development, approaching them with equality and fairness.



Ethical Values

Özçelik Machine adopts transparency, fairness, and accountability in its relationships with all stakeholders. It adheres to relevant legislation, contractual commitments, and operates within the framework of "Ethical Principles" in carrying out its activities."

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PORTABLE

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PORT

ABLE





ALFA

Portable Miter Saw with Tablesaw Ø 305 mm

PORTABLE



Technical Sheets

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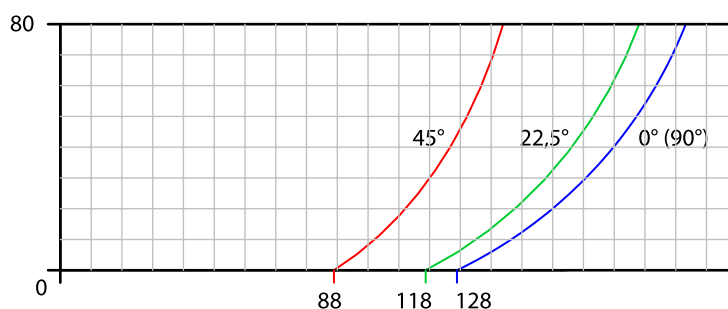
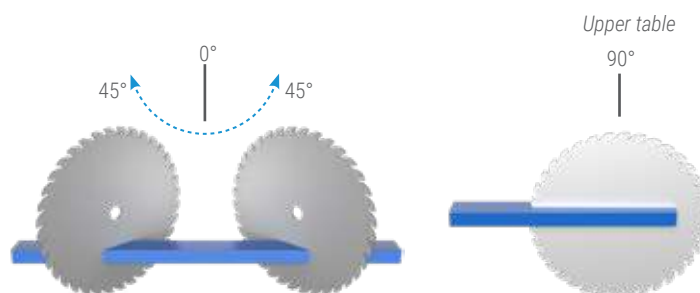
Features

Used for cutting processes of aluminum, plastic and wooden profiles.

- Safe cutting with double spring system and saw barrier
- 0°, 15°, 22.5°, 30°, 45° right and left angle fixing
- Cutting at any desired angle between -45° and +45°

Optional Equipment

- Profile gauge
- Ø 305 mm saw blade
- Second clamp
- Conveyor
- Stand
- Brake System
- Three-phase system



HP kW	n r.p.m	Hz	I (230 V) A	ø D mm	ø d mm	s mm	n r.p.m	c mm	h mm	l x w x h (mm) 25 kg	
1,5 1,1	3000 r.p.m	50 60	5 A	305 mm	30-32 mm	3,2 mm	3000 r.p.m	165 mm	45 mm	550 x 540 x 685 25 kg	

ALFA S

Portable Miter Saw Ø 305 mm

PORTABLE



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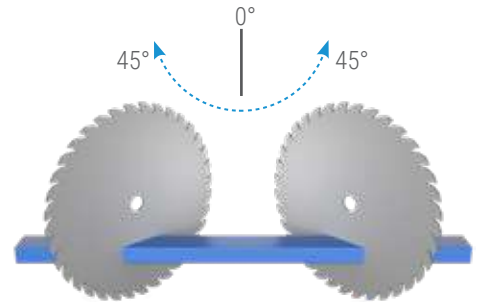
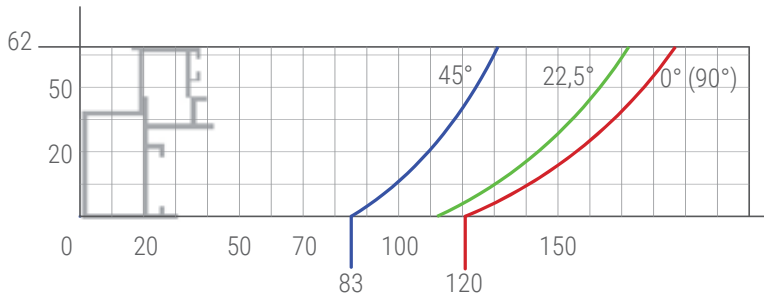
Features

Used for cutting processes of aluminum, plastic and wooden profiles.

- Safe cutting with double spring system and saw barrier
- 0°, 15°, 22.5°, 30°, 45° right and left angle fixing
- Cutting at any desired angle between -45° and +45°

Optional Equipment

- Profile gauge
- Ø 305 mm saw blade
- Second clamp
- Conveyor
- Stand
- Brake System
- Three-phase system



HP kW	n	Hz	I (230 V)	ø D	ø d	s	n	l x w x h (mm)	
1 1,1	3000 r.p.m	50 60	5 A	305 mm	30-32 mm	3,2 mm	3000 r.p.m	550 x 540 x 535 25 kg	

ALFA X

Portable Compound Radial Saw with Tabletop
Ø 305 mm

PORTABLE



Technical Sheets

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Features

Used for cutting processes of aluminum, plastic and wooden materials.

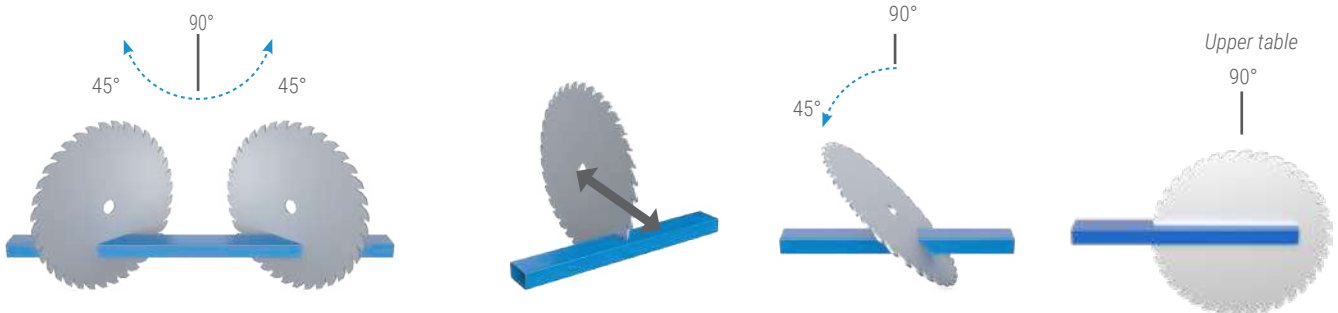
- Cutting at any desired angle between -45° and +45°
- 0°, 5°, 10°, 15°, 20°, 22,5°, 25°, 30°35°, 40 , 45° right and left angle
- fixing
- Head with ability to tilt left between 0° and 45° (Performs tilt
- cutting when lower plate is at 0 (Zero) position)
- Laser Guide for accurate cuts
- Screw workpiece clamp
- Anti vibration feets

Standard Equipment

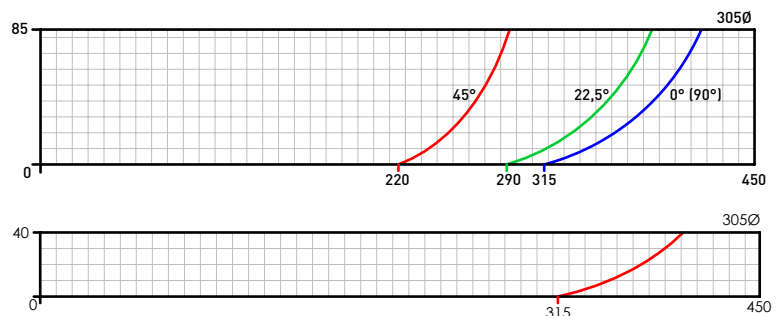
- Screw workpiece clamp

Optional Equipment

- Stand
- Ø 305 mm saw blade
- Conveyor
- Brake System
- Three-phase system
- Profile gauge



CUTTING DIMENSIONS (mm)	
90°x90°	85 x 315
45°x90°	85 x 220
90°x45°	40 x 315
45°x45°	35 x 220



HP kW	n	Hz	I (230 V)	ø D	ø d	s	n	c	h	45°		I x w x h (mm)	
1,5 1,1	3000 r.p.m	50 60	5 A	305 mm	30-32 mm	3,2 mm	3000 r.p.m	160 mm	40 mm	40 x 315 mm		570 x 1030 x 685 35,5 kg	

BETA Plus

Portable Miter Saw with Tilting Head and
Tablesaw Ø 305 mm

PORTABLE



Technical Sheets

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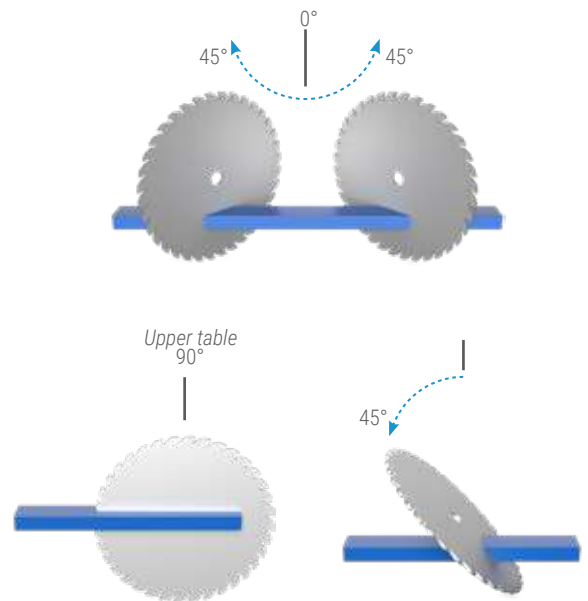
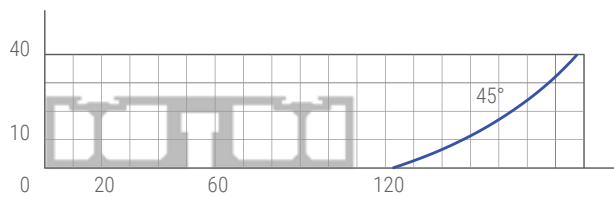
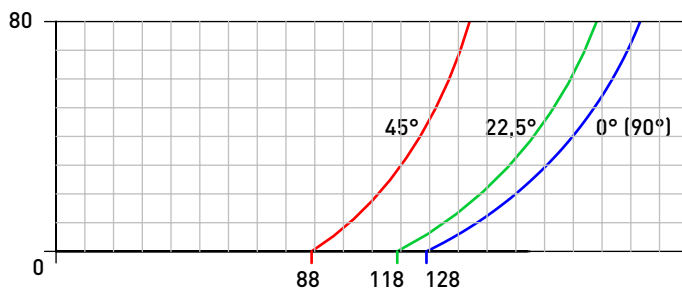
Features

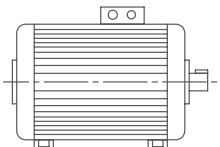
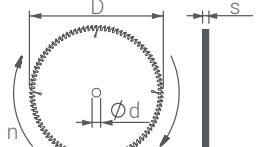

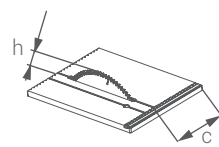
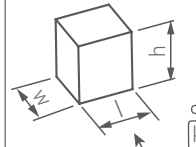
Used for cutting processes of aluminum, plastic and wooden materials.

- Safe cutting with double spring system and saw barrier
- Ability to cut on the upper table
- Cutting at any desired angle between -45° and $+45^\circ$
- Head with ability to tilt left between 0° and 45° (Performs tilt cutting when lower plate is at 0 (Zero) position)
- $0^\circ, 15^\circ, 22.5^\circ, 30^\circ, 45^\circ$ right and left angle fixing

Optional Equipment

- Profile gauge
- $\varnothing 305$ mm saw blade
- Second clamp
- Conveyor
- Stand
- Brake System
- Three-phase system



											
HP kW	n	Hz	I (230 V)	ø D	ø d	s	n	45° a x b	c	h	l x w x h (mm)
1,5 1,1	3000 r.p.m	50 60	5 A	305 mm	30-32 mm	3,2 mm	3000 r.p.m	120 x 40 mm	165 mm	45 mm	500 x 540 x 690 30 kg

GALAXY I P

Portable Copy Router Machine

PORTABLE



Technical Sheets

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Features

Used for cutting appropriate slots on aluminum and plastic profiles for mounting locks, grips, hinges, latches and opening channels.

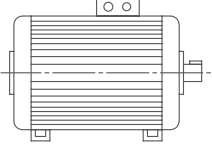
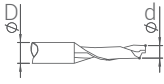
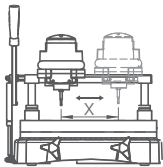
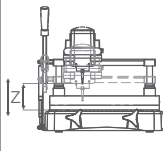
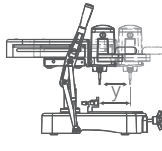
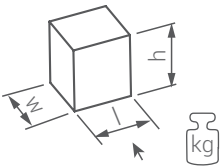
- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges
- Ease of use and secure operation by ergonomic design

Standard Equipment

- 5 mm milling cutter (1 pcs)
- Profile gauge (2 pcs)

Optional Equipment

- Stand
- Conveyor
- Special copy assembly

										
HP kW	n	1~ Hz	I (230 V)	∅ D	∅ d	n	x	z	y	l x w x h (mm)
1,5 1,1	3000 r.p.m	50 60	5 A	8 mm	5 mm	15350 r.p.m	210 mm	108 mm	105 mm	555 x 555 x 640 38 kg

HEKA P

Portable Reinforcement Steel and Profile
Cutting Saw

PORTABLE



Technical Sheets

- Used for cutting operations of metal profiles and solid metal materials
- Robust spring system and protective barrier
- Dual-speed motor allows selection of saw cutting speed according to material properties
- Prevents the saw from overheating and removes chips from the cutting surface using coolant
- Possibility of cutting right and left at all intermediate degrees between -45 and + 45
- Working cycle with circulation pump for coolant

Standard Equipments

- 275 mm saw
- Cooling system (Cooling System Depot: 20 lt)

			<div><div>●</div> Ø80</div> <div><div>■</div> 80 X 80 (mm)</div> <div><div>■</div> 90 X 80 (mm)</div>	<div><div>●</div> Ø50</div> <div><div>■</div> 50 X 50 (mm)</div> <div><div>■</div> 50 X 80 (mm)</div>					
kW	I	kW	Cutting Capacity	Cutting Capacity	ø D	ø d	s	n	l x w x h (mm)
1,8	(380 V)	0,9	90°	45±°	275 mm	32 mm	2,0 mm	1- 45 r.p.m 2- 90 r.p.m	900 x 750 x 1060 168 kg

PLANET

Hinge Slot Milling Machine

PORTABLE



Technical Sheets

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Used for opening hinge slots on wooden materials.

- Robust spring system
- User friendly measurement ruler
- Ease of use and secure operation by ergonomic design

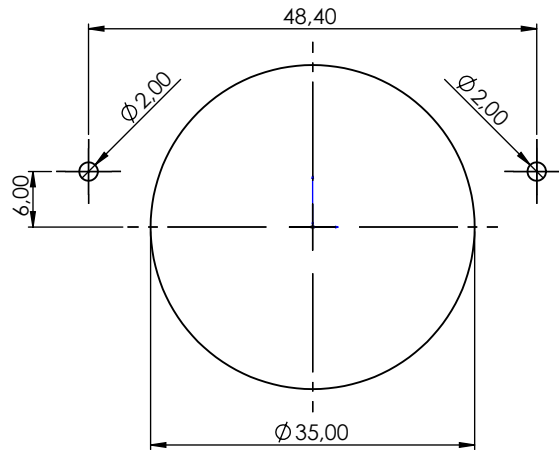
Standard Equipment

- Punching blade
- 2 mm drill bits (2 pcs)
- Profile gauge (2 pcs)

Optional Equipment

- Second clamp
- Stand

Hinge slot dimensions



HP kW	n	1~ Hz	I (230 V)	Ø D1	Ø D2	x	y	l x w x h (mm)
1 0,75	3000 r.p.m	50 60	4,8 A	35 mm	2 mm	45 mm	45 mm	445 x 450 x 420 20 kg

POLAR I

Portable End Milling Machine

PORTABLE



Technical Sheets

22

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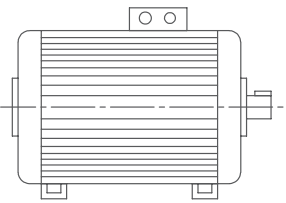
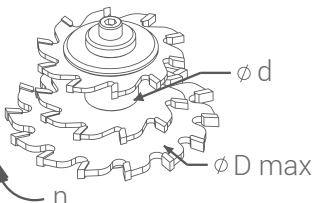
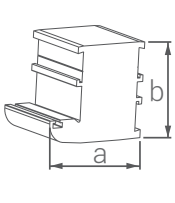
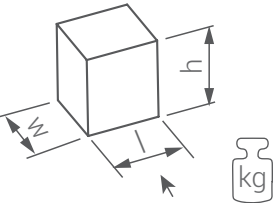
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Used for end milling processes of aluminum and plastic profiles.

- Vertical and horizontal clamping system
- Ease of use and secure operation by ergonomic design

Optional Equipment

- Cutter set
- Stand
- Three-phase system

									
HP kW	n	1~ Hz	I (230 V)	ø D max.	ø d	n	a	b	l x w x h (mm)
1,1 1,5	3000 r.p.m	50 60	4,8 A	140 mm	30 mm	3000 r.p.m	125 mm	70 mm	570 x 365 x 440 26 kg

STAR

Portable Copy Router Machine

PORTABLE



Technical Sheets

24

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Features

Used for cutting appropriate slots on aluminum and plastic profiles for mounting locks, grips, hinges, latches and opening channels.

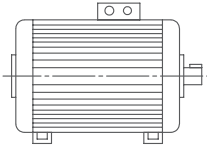
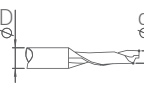
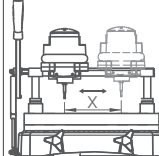
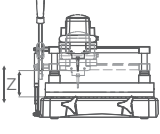
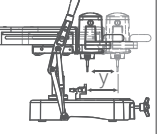
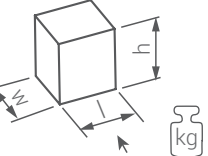
- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges
- Ease of use and secure operation by ergonomic design

Standard Equipment

- 5 mm milling cutter (1 pcs)
- Profile gauge (2 pcs)
- Coal (1 set)

Optional Equipment

- Stand
- Conveyor
- 110 V motor
- Special copy assembly

									
HP kW	n	1~ Hz	I (230 V)	ø D	ø d	x	z	y	l x w x h (mm)
1,6 1,1	28000 r.p.m	50 60	3,7 A	8 mm	5 mm	217 mm	127 mm	125 mm	555 x 555 x 570 29 kg

VEGA I 400

Portable Miter Saw Ø 400 mm

PORTABLE



Technical Sheets

Features

Used for cutting processes of aluminum, plastic and wooden materials.

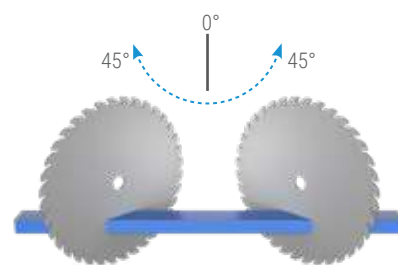
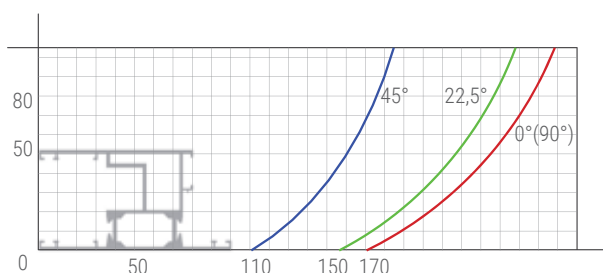
- Safe cutting with double spring system and saw barrier
- Cast core with impact resistance
- Cutting at any desired angle between -45° and +45°
- Cutting at 0°, 15°, 22.5°, 30°, 45° right and left fixed angles

Standard Equipment

- Profile gauge
- Ø 400 mm saw blade

Optional Equipment

- Second clamp
- Conveyor
- Stand
- Single-phase system



HP kW	n	3~ Hz	I (400 V)	Ø D	Ø d	s	n	l x w x h (mm)	
3 2,2	3000 r.p.m	50 60	4,8 A	400 mm	30-32 mm	3,6 mm	3000 r.p.m	610 x 815 x 785 49 kg	

COMPARISON TABLE



	ALFA	ALFA S	BETAPLUS	ALFA X
Material (Alm / Pvc / Wood)	✓	✓	✓	✓
Saw Diameter (mm)	Ø 305	Ø 305	Ø 305	Ø 305
Engine Power - (kW)	1,1	1,1	1,1	1,1
Saw Speed (rpm)	3000	3000	3000	3000
Saw Thickness (mm)	3,2	3,2	3,2	3,2
Cutting Angle (°)	45 / 45	45 / 45	45 / 45	45 / 45
Cutting on the Tabletop	✓	X	✓	✓
Tilting Cutting	X	X	✓	✓
Radial Cutting	X	X	X	✓
Manual Clamp	✓	✓	✓	✓
Saw	Opt.	Opt.	Opt.	Opt.
Conveyor	Opt.	Opt.	Opt.	Opt.
Laser Light	X	X	X	✓
Profile Support	Opt.	Opt.	Opt.	Opt.



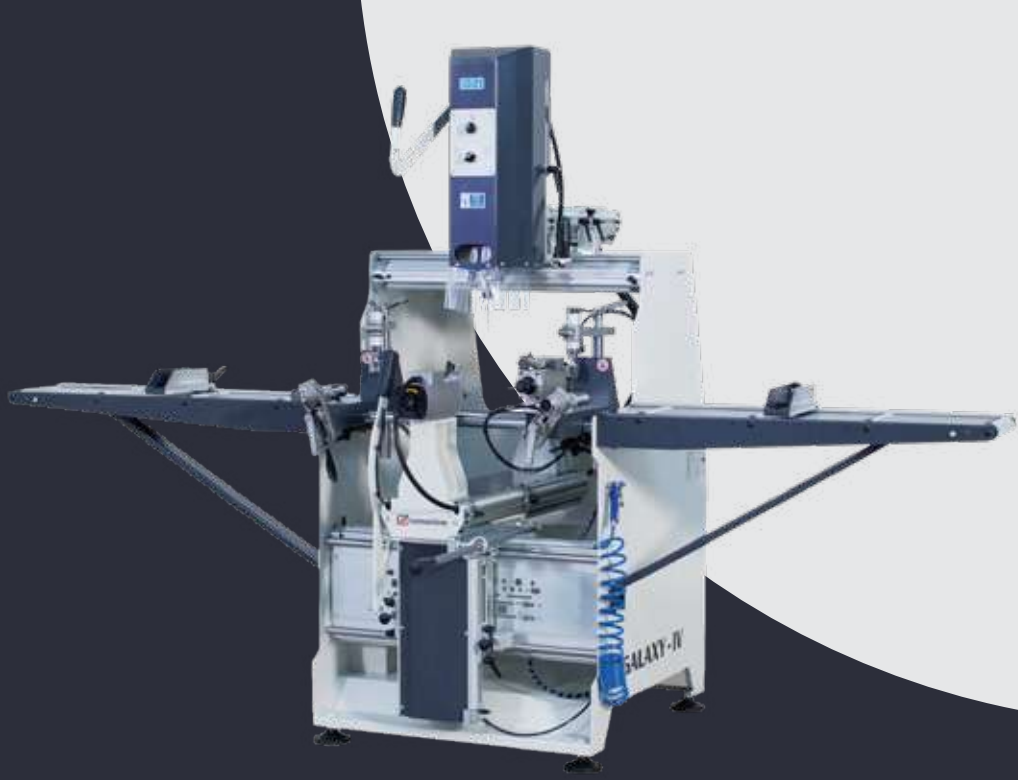
VEGA - I 400	
	✓
	Ø 400
	2,2
	3000
	3,6
	45 / 45
	X
	X
	X
	✓
	✓
	Opt.
	X
	Opt.

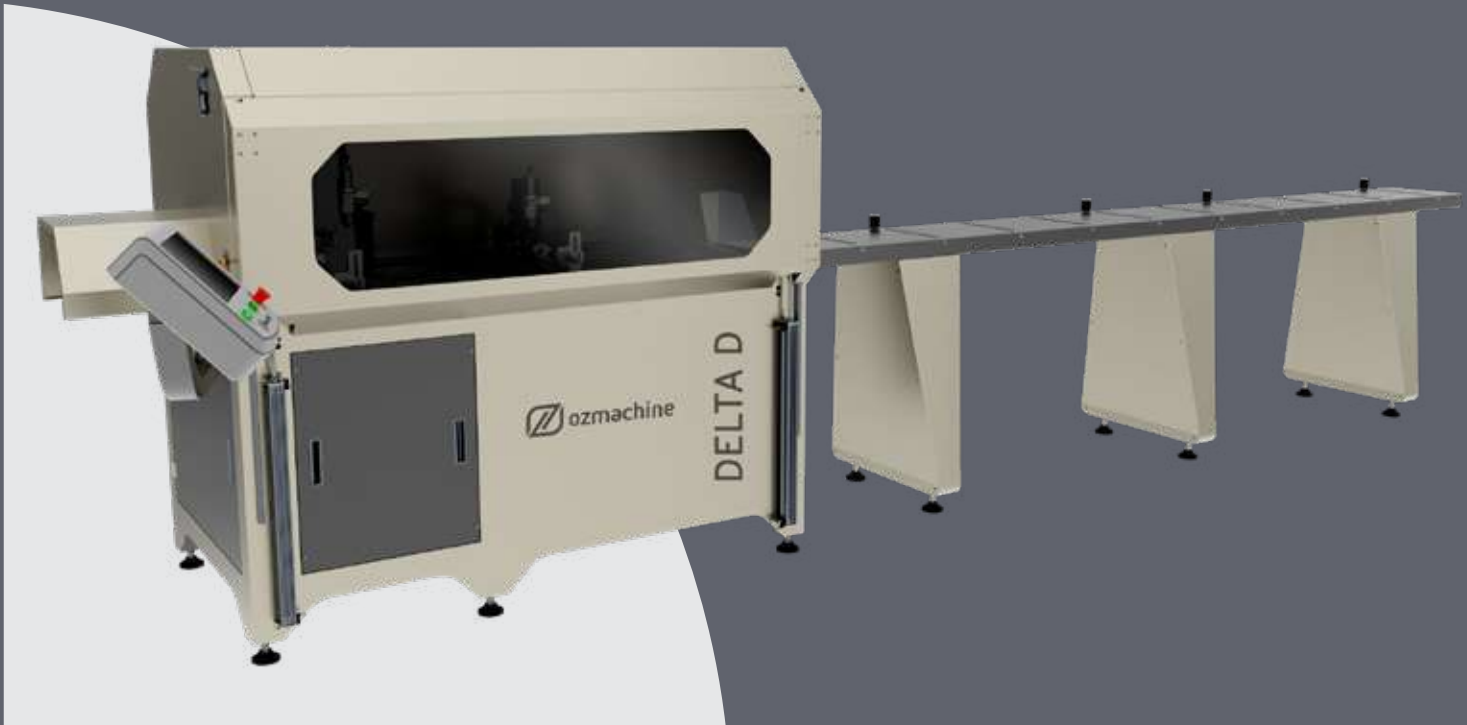


30

SINGLE

HEAD





APEX I

Automatic Hydraulic Aluminum Corner
Crimping Machine

SINGLE HEAD



Technical Sheets

32

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Features

Used for corner crimping processes of aluminum profiles.

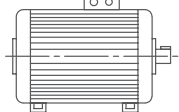
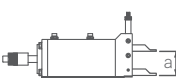
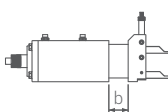
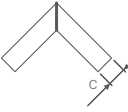
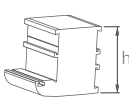

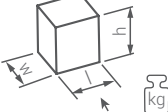
- Steel plate with high pressure resistance
- Hydraulic operating system
- Easy adjustment of crimping blade distances based on profile
- Automatic profile centering with miters
- Double sided conveyor unit for convenient profile processing
- Crimping of wide and high profiles

Standard Equipments

- 7 mm crimping set (2 pcs)
- 5 mm crimping set (2 pcs)
- Left and right profile support

Optional Equipments

- Crimping set for custom profiles

											
HP	n	3~	I	a	b	c		h	Oil Pressure	Air Pressure	l x w x h (mm)
kW	r.p.m	Hz	(400 V)			min.	max.				
2 1,5	1500	50 60	4,95 A	100 mm	40 mm	20 mm	120 mm	150 mm	120 - 150 bar	6 - 8 bar	2065 x 1420 x 1300 426 kg

APEX I A

Automatic Hydraulic Aluminum Corner
Crimping Machine with Rising Miter

SINGLE HEAD



Technical Sheets

Features

Used for corner crimping processes of aluminum profiles.

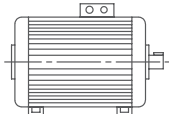
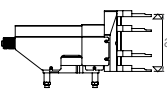
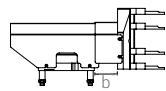
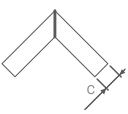
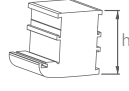

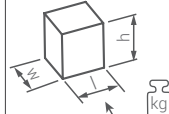
- Steel plate with high pressure resistance
- Hydraulic operating system
- Easy adjustment of crimping blade distances based on profile
- Automatic profile centering with miters
- Convenient profile rotation by up/down movement of centering miter
- Crimping of wide and high profiles

Standard Equipments

- 7 mm crimping set (4 pcs)
- 5 mm crimping set (4 pcs)
- Left and right profile support

Optional Equipments

- Crimping set for custom profiles

											
HP kW	n	3~ Hz	I (400 V)	a	b	c		h	Oil Pressure	Air Pressure	l x w x h (mm)
2 1,5	1500 r.p.m	50 60	4,95 A	190 mm	60 mm	min. 20 mm	max. 140 mm	200 mm	120 - 150 bar	6 - 8 bar	2090 x 1460 x 1450 600 kg



COMPARISON TABLE



	APEX - I	APEX - I A	APEX - II	APEX - IV
Material (Aluminum Profile)	✓	✓	✓	✓
Profile Merge Structure	One Corner	One Corner	Two Corner	Four Corner
Placeable Min./Max.Profile Width (mm)	20 / 120	20 / 120	20 / 95	20 / 95
Placeable Min./Max.Profile Height (mm)	150	200	150	150
Frame Dimensions (min)	–	–	495	500 x 500
Frame Dimensions (max)	–	–	3500	2000 x 3400
Crimping Pistons (pcs.)	2	2	4	8
Crimping Blade Thickness (mm)	5 mm (2 pcs.) 7 mm (2 pcs.)	5 mm (4 pcs.) 7 mm (4 pcs.)	5 mm (4 pcs.) 7 mm (4 pcs.)	5 mm (8 pcs.) 7 mm (8 pcs.)
Oil Pressure (bar)	120-150	120-150	120-150	120-150
Crimping Set for Special Profiles	Opt.	Opt.	Opt.	Opt.
Profile Support (Right and Left)	✓	✓	✓	✗





DELTA

Automatic Rising Blade Saw Profile Slicing
Machine Ø 500 mm

SINGLE HEAD



Technical Sheets

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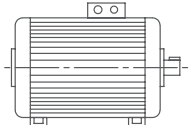
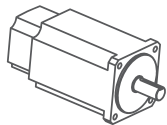
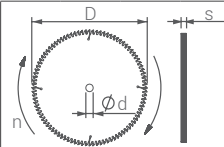

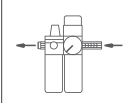
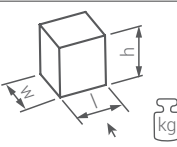
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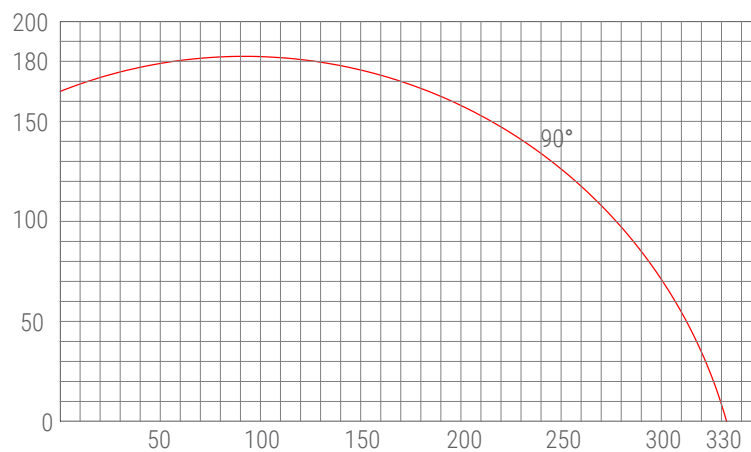
Used for slicing and flat cutting processes of aluminum, plastic and wooden profiles.

- Wide profile cutting with Ø 500 mm saw blade
- Servo driven automatic profile feeding and batch slicing process
- Automatic clamping system
- Cutting speed adjustment
- Digital adjustment of the saw blade travel distance based on the profile
- Secure cutting by the cover equipped with a safety sensor
- Touchscreen control panel
- Process programming and large memory
- Conveyor carrying capacity of 500 kg
- Standard Conveyor Length is 4m
- Manual Cutting Speed Adjustment
- 0.2 mm cutting accuracy
- Minimum Cutting Dimension is 5 mm.

Standard Equipments

- Ø 500 mm saw blade
- Cooling system

														
HP	kW	n	Hz	I	kW	n	I	∅ D	∅ d	s	n	Air Pressure	Air Consumption	l x w x h (mm)
5,5	4	3000 r.p.m	50 60	8 A	0,8	3000 r.p.m	4,83 A	500 mm	30-32 mm	4 mm	2347 r.p.m	6 - 8 bar	40 L / dk.	6630 x 1340 x 1440 735 kg



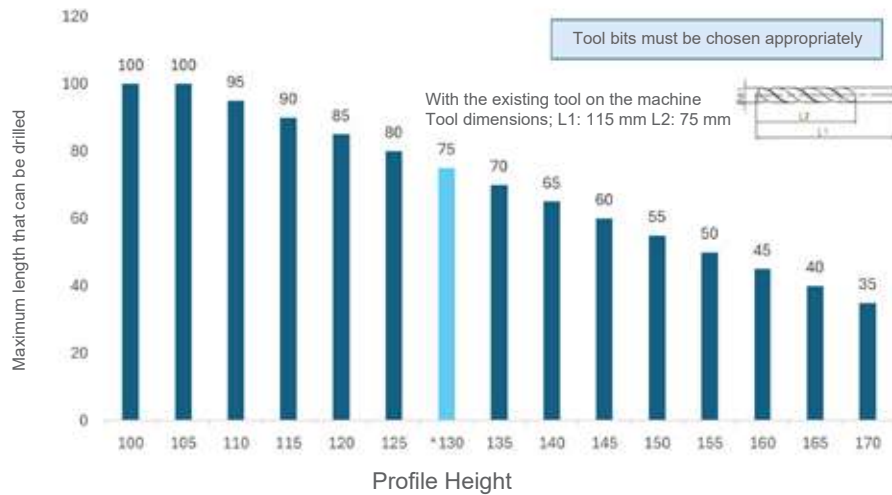
DELTA D

Automatic Rising Blade Saw Profile Slicing
Machine with Drilling Option Ø 500 mm

SINGLE HEAD



Profile Height - Drilling Distance Chart



Technical Sheets

Features

Used for slicing and flat cutting processes of aluminum, plastic and wooden profiles.

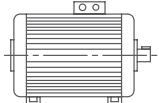
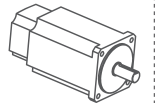


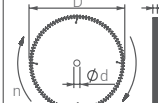

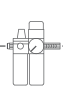
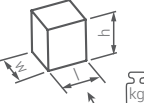
- Wide profile cutting with Ø 500 mm saw blade
- Servo driven automatic profile feeding and batch slicing process
- Automatic clamping system
- Cutting speed adjustment
- Digital adjustment of the saw blade travel distance based on the profile
- Secure cutting by the cover equipped with a safety sensor
- Touchscreen control panel
- Process programming and large memory
- Conveyor carrying capacity of 500 kg
- Standard Conveyor Length is 4m
- Manual Cutting Speed Adjustment
- 0.2 mm cutting accuracy
- Minimum Cutting Dimension is 5 mm.

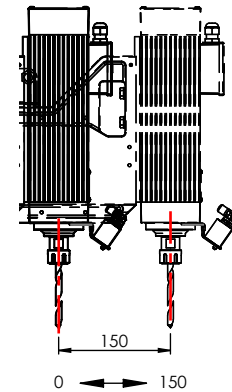
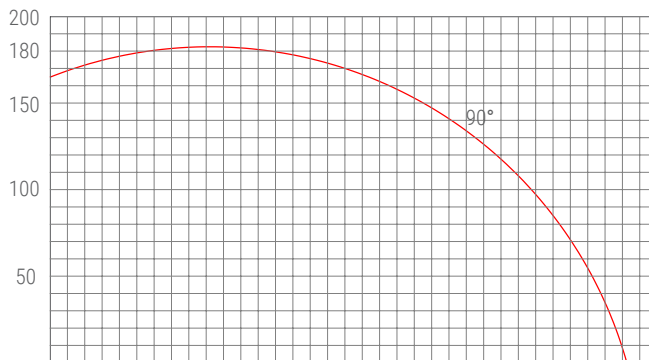
Standard Equipments

- Ø 500 mm saw blade
- Cooling system

Optional Equipments

- Drilling
- Tapping

																									
Drilling option				Optional tapping																					
HP	kW	n	Hz	I (400 V)	kW	n	Hz	I (230 V)	Tool Holder	kW	n	Hz	I (220 V)	Tool Holder	Tapping Capacity	ø D	ø d	s	n	Air Pressure	Air Consumption	l x w x h (mm)		kg	
5,5	4	3000 r.p.m	50	8 A	0,8	3000 r.p.m	60	4,83 A	ER 20	0,8	3000 r.p.m	6000	5,7 A	ER 16	M10 (Max.)	500 mm	30-32 mm	4 mm	2347 r.p.m	6 - 8 bar	40 L / dk.	6630 x 1340 x 1440		735 kg	



Drilling option

COMPARISON TABLE



	DELTA	DELTA D
Material (Alm / Pvc / Wooden)	✓	✓
Saw Diameter (mm)	Ø 500	Ø 500
Engine Power (kw)	4	4
Saw Rotation (rpm)	2347	2347
Cutting Angle (°)	90°	90°
Min. Cutting Dimensions (mm)	5	5
Waste Dimensions (mm)	270	270
Drilling Motor or Tapping Motor	X	✓
Tool Holder	X	Drilling : ER 20 Tapping : ER 16
Drilling Motor or Tapping Motor Motion Axis	X	Y and Z
Servo Driven Profile Feeding	✓	✓
Conveyor - 4000 mm (right)	✓	✓
Cutting Speed Adjustment	✓	✓
Pneumatic Vertical and Horizontal Clamps	✓	✓
Spray Saw Cooling System	✓	✓





GALAXY I ECO

Copy Router Machine

SINGLE HEAD



Technical Sheets

Features

Used for cutting appropriate slots on aluminum and plastic profiles for mounting locks, grips, hinges, latches and opening channels.

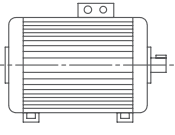
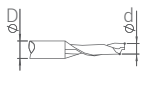
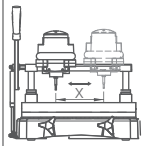
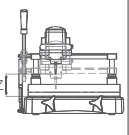
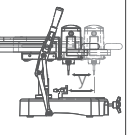
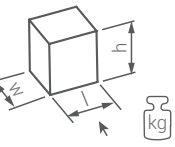
- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges

Standard Equipment

- 5 mm milling bit
- Profile Gauge
- Pneumatic Clamps
- Cooling System

Optional Equipment

- Conveyor
- Special copy assembly

										
HP kW	n	1~ Hz	I (230 V)	ø D	ø d	n	x	z	y	l x w x h (mm)
1,5 1,1	3000 r.p.m	50 60	5 A	8 mm	5 mm	15350 r.p.m	210 mm	108 mm	105 mm	580 x 700 x 1510 85 kg

GALAXY I

Copy Router Machine

SINGLE HEAD



Technical Sheets

Features

Used for cutting appropriate slots on aluminum and plastic profiles for mounting locks, grips, hinges, latches and opening channels.

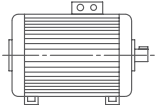
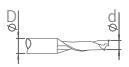
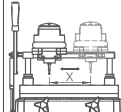


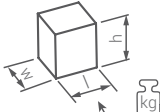
- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges
- Pneumatic clamps

Standard Equipments

- 5 mm milling cutter (1 pcs)
- Cooling system
- Profile gauge

Optional Equipments

- Special copy assembly
- Single-phase system
- 8 mm milling cutter

															
HP kW	n	Hz	I (400 V)	ø D	ø d	n (r.p.m)	x	z	y	Air Pressure	Air Consumption	l x w x h (mm)			kg
1,5 1,1	3000 r.p.m	50 60	2,5 A	8 mm	5 mm	11500 14000	250 mm	110 mm	115 mm	6 - 8 bar	5 L / min.	2540 x 730 x 1450			103 kg



GALAXY II

Copy Router Machine with Triple Grip
Slot Drilling

SINGLE HEAD



Technical Sheets

Features

Used for cutting appropriate slots on aluminum and plastic profiles for mounting locks, grips, hinges, latches and opening channels.












- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges
- Pneumatic clamps
- Triple grip slot drilling system

Standard Equipments

- 5 mm milling cutter (1 pcs)
- Profile gauge
- Triple drill bit kit
- Cooling system

Optional Equipments

- Special copy assembly
- Single-phase system
- 8 mm milling cutter

																	
	HP kW	n r.p.m	Hz	I (400 V)	Ø D	Ø d	n (r.p.m)	Ø b	Ø a	Ø c	n	x	z	y	Air Pressure	Air Consumption	l x w x h (mm)
	1,5 1,1	3000 r.p.m	50 60	2,6 A	8 mm	5 mm	11500 14000	-	-	-	-	250 mm	110 mm	115 mm	6 - 8 bar	5 L / min.	2540 x 860 x 1450 127 kg
	0,75 0,55	1400 r.p.m		1,5 A	-	-		10 mm	12 mm	10 mm	1975 r.p.m						

GALAXY III

Copy Router Machine with Triple Grip Slot
Drilling and Water Discharge

SINGLE HEAD



Technical Sheets

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Features

Used for cutting appropriate slots on plastic profiles for mounting locks, grips, hinges, latches and opening channels.

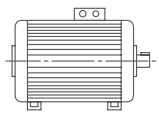
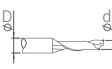
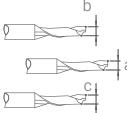
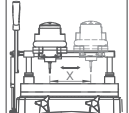
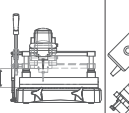
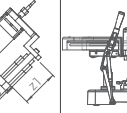
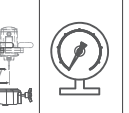
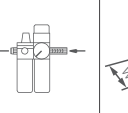
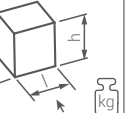



- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges
- Pneumatic clamps
- Triple grip slot drilling system
- Ability to open water discharge channels with various angles and sizes
- Independently operating motors

Standard Equipments

- 5 mm milling cutter (2 pcs)
- Triple drill bit kit
- Profile gauge

Optional Equipments

- Special copy assembly
- Single-phase system
- 8 mm milling cutter
- Cooling system

																		
	HP kW	n r.p.m	Hz	I	ø D mm	ø d mm	n (r.p.m)	ø b mm	ø a mm	ø c mm	n	x	z	z1	y	Air Pressure	Air Consumption	l x w x h (mm)
	1,5 1,1	3000 r.p.m		2,6 A (400 V)			11500 14000	-	-	-	-							
	1,1 0,85	31000 r.p.m	50 60	5 A (220 V)	8 mm	5 mm	31000 r.p.m					250mm	110 mm	95 mm	115 mm	6 - 8 bar	8 L / dk.	2525 x 1000 x 1465 145 kg
	0,74 0,55	1400 r.p.m		1,5 A (400 V)			-	10 mm	12 mm	10 mm	1975 r.p.m							



GALAXY IV

Copy Router Machine (3 motors)

SINGLE HEAD



Technical Sheets

52

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Features

Used for lock, handle, hinge and latch slot and channel opening processes with rotating the profile on 3 surfaces of aluminum and plastic profiles.

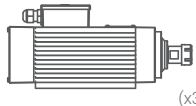
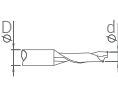
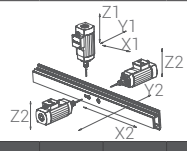

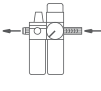
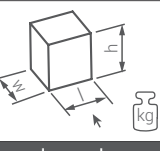
- Copy assembly matching the process
- Ability to open various channels independently of the copy assembly with profile gauges
- Pneumatic clamps
- Triple grip slot drilling system
- Independently operating motors
- Independent milling process on 3 different surfaces

Standard Equipments

- Cooling system
- 8 mm milling cutter
- Profile gauge

Optional Equipments

- Special copy assembly
- 5 -10 mm milling cutter

														
HP kW	n r.p.m	Hz	I (230 V)	ø D	ø d	X1	Y1	Z1	X2	Y2	Z2	Air Pressure	Air Consumption	I x w x h (mm)
1,5 1,1	12000	200	7A	8 mm	8 mm	460 mm	210 mm	210 mm	430 mm	240 mm	145 mm	6 - 8 bar	9 L / min.	2815 x 1430 x 1835 293 kg



OMEGA

Automatic Triple Water Discharge Machine

SINGLE HEAD



Technical Sheets

Features

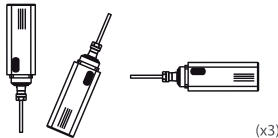
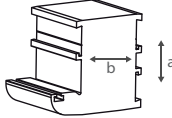


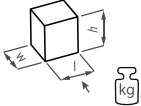
- Used for water discharge in PVC profiles
- Automatic operation system with pneumatic movement
- 3 high-frequency spindle motors
- Water discharge at different angles and dimensions on 3 different axes
- Upper and lower motors that can be positioned at different angles
- Ability to use motors independently or in pairs
- Button selection of motors according to profile type
- Easy adjustment of the length of the water discharge
- Easy adjustment of motor travel distances according to profile dimensions with a rotary mechanism
- Safe clamp system activated by button

Standard Equipment

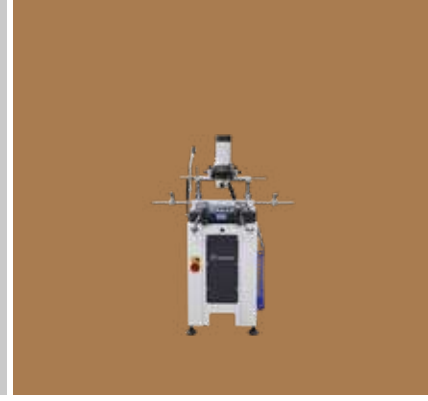
- 5 mm Milling bit (3 qty)

Optional Equipment

- Conveyor

												
HP kw	n	1 ~ Hz	I (230 V)	Ø D	Ø d	a		b		Air Pressure	Air Consumption	l x w x h (mm)
0,75 0,55	18.000 r.p.m	50 60	3,5 A	8 mm	5 mm	min. max.	40 mm 180 mm	min. max.	40 mm 160 mm	6-8 bar	10 L / min	935 x 755 x 1600 ? kg

COMPARISON TABLE



	STAR	GALAXY - I P	GALAXY - I ECO
Material (Alm / Pvc)	Alm/Pvc	Alm/Pvc	Alm/Pvc
Engine Power - (Kw)	1,1	1,1	1,1
Number of Engines - (pcs.)	1	1	1
Motor Type (Coal / Asynchronous / Spindle)	With coal	Asynchronous / Belt System	Asynchronous / Belt System
Triple grip Slot Engine	X	X	X
Water Slot Engine	X	X	X
Milling Diameter - Max.(mm)	Ø5	Ø5	Ø5
Milling Speed (rpm)	28.000	15.350	15.350
X-Axis Travel Distance (mm)	217	210	210
Y-Axis Travel Distance (mm)	125	105	105
Z-Axis Travel Distance (mm)	127	108	108
Vertical Clamp - (Manual / Automatic) (2 pcs.)	X	X	X
Horizontal Clamp - (Manual / Automatic) (2 pcs.)	Manual	Manual	Pneumaic
Profile Support / Conveyor (Right and Left)	Profile Support	Profile Support	Profile Support
Spray Milling Cooling System	X	X	✓
Air - (Pressure -6-8 Bar)	X	X	✓
Electrical System (Standard)	Single phase	Single phase	Single phase



Technical Sheets



GALAXY - I	GALAXY - II	GALAXY - III	GALAXY - IV
Alm/Pvc	Alm/Pvc	Pvc	Alm/Pvc
1,1	1,1	1,1	1,1
1	2	3	3
Asynchronous / Belt System	Asynchronous / Belt System	Asynchronous / Belt System	Spindle
X	✓	✓	X
X	X	✓	X
Ø5	Ø5	Ø5	Ø8
50 hz = 11.500 60 hz =14.000	50 hz = 11.500 60 hz =14.000	50 hz = 11.500 60 hz =14.000	12.000
250	250	250	460
115	115	115	210
110	110	110	210
X	X	X	Pneumaic
Pneumaic	Pneumaic	Pneumaic	Pneumaic
Profile Support	Profile Support	Profile Support	Conveyor
✓	✓	X	✓
✓	✓	✓	✓
Three phase	Three phase	Three phase	Single phase

HEKA

Reinforcement Steel and Profile Cutting Saw

SINGLE HEAD



Technical Sheets

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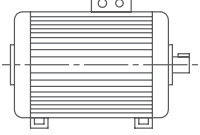
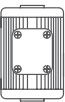
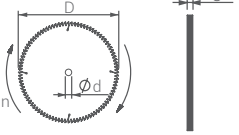
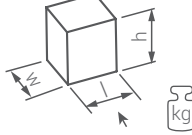
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Features

- Used for cutting operations of metal profiles and solid metal materials
- Robust spring system and protective barrier
- Dual-speed motor allows selection of saw cutting speed according to material properties
- Prevents the saw from overheating and removes chips from the cutting surface using coolant
- Possibility of cutting right and left at all intermediate degrees between -45 and + 45
- Working cycle with circulation pump for coolant

Standard Equipments

- 275 mm saw
- Cooling system (Cooling System Depot: 20 lt)

			<ul style="list-style-type: none"> ● Ø80 ■ 80 X 80 (mm) ■ 90 X 80 (mm) 	<ul style="list-style-type: none"> ● Ø50 ■ 50 X 50 (mm) ■ 50 X 80 (mm) 					
kW	I	kW	Cutting Capacity	Cutting Capacity	ø D	ø d	s	n	l x w x h (mm)
1,8	(400 V)	0,9	90°	45±°	275 mm	32 mm	2,0 mm	1- 45 r.p.m 2- 90 r.p.m	900 x 750 x 1450 220 kg

LEO R

Automatic Front Blade Saw Ø 550 mm
2 Axis Servo Controlled

SINGLE HEAD



LEO-R, automatic front blade saw with 2 axis servo controlled and 550 mm saw is ideal for cutting aluminum and PVC profiles with different angles and thickness
LEO-R designed for cutting wider profiles with the servo motion system, automatic positioning at all degrees between -22,5° and 45° allows for perfect cutting operation.
Safety is a topmost priority for LEO-R together with the horizontal clamps and the vertical clamp along with profile protective shield which improve the cutting quality.



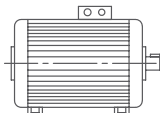
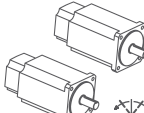
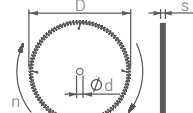


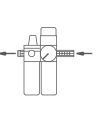
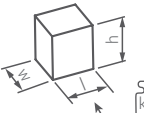
Technical Sheets

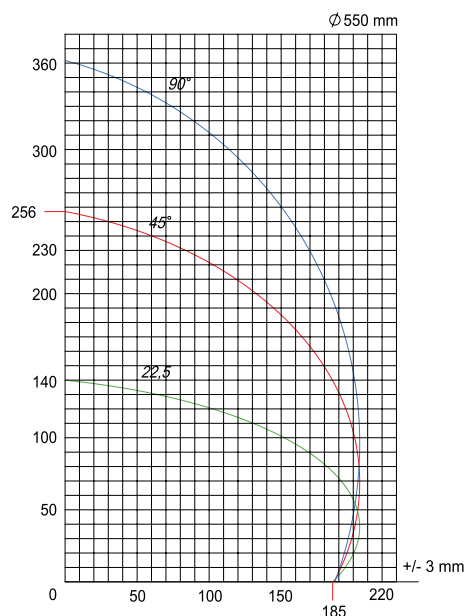
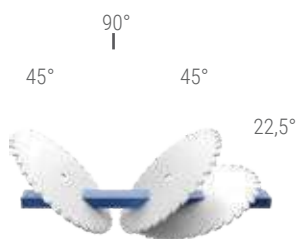
Features

Features

Rapid angle positioning of heads with servo control at any angles between	-22,5° and 45°
Maximum internal rotation angle	45°
Maximum external rotation angle	-22,5°
Hydro-pneumatic cutting feed adjustment	•
Cemented carbide saw blade	1
Saw blade diameter	550 mm
Saw blade motor power	3 kW - 4 HP
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamp	•
Spray saw cooling system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Barkod writer	•
Data transfer via remote network connection, ethernet and USB	•
10" Touchscreen	•
Digital Conveyor	•
Vacuum cleaner for chips	○
Oz Machine Softcut (Cutting optimisation program)	○

• Standard ○ Optional

																		
HP kW	n	Hz	I (220/400)	kW	n	I	ø D	ø d	s	n	min.	max.	Air Pressure	Air Consumption	l x w x h (mm)			
4 3	3000 r.p.m	50 60	11,5/6,4 A	0,8	3000 r.p.m	5,02 A	550 mm	30-32 mm	4,4 mm	2430 r.p.m	395 mm	3350 mm	6 - 8 bar	30 L / min.	7310 x 1985 x 1580 780 kg			



LEO X

Automatic Radial Saw Ø 550 mm - 2 Axis
Servo Controlled

SINGLE HEAD



LEO-X, automatic Radial Saw with 2 axis servo controlled and 550 mm saw is ideal for cutting aluminum and PVC profiles with different angles and thickness. LEO-X designed for cutting wider profiles with the servo motion system, automatic positioning at all degrees between 90° and 30° allows for perfect cutting operation. Safety is a topmost priority for LEO-X together with the horizontal clamps and the vertical clamp along with profile protective shield which improve the cutting quality.



Technical Sheets



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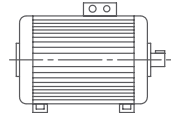
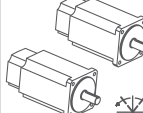
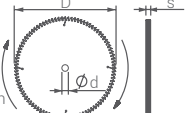


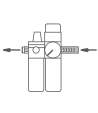
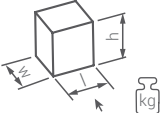
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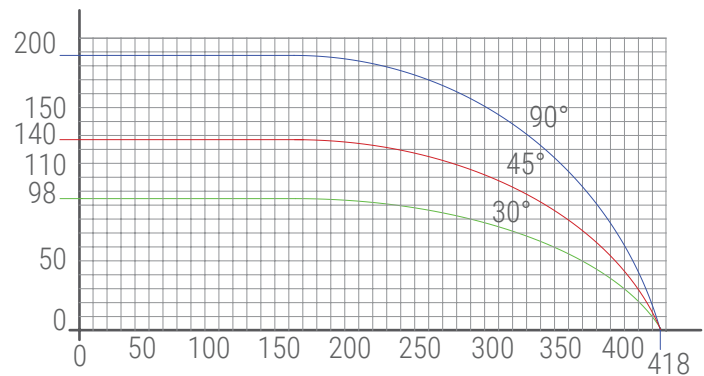
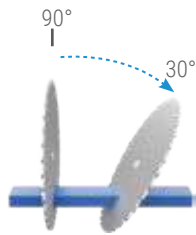
Features

Features

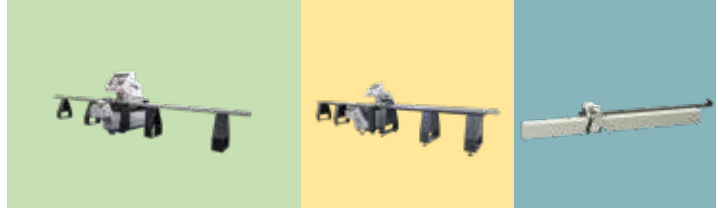
Rapid angle positioning of heads with servo control at any angles between	between 90° and 30°
Maximum internal rotation angle	30°
Maximum external rotation angle	90°
Hydro-pneumatic cutting feed adjustment	•
Cemented carbide saw blade	1
Saw blade diameter	550 mm
Saw blade motor power	4 HP 3 kW
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamp	•
Spray saw cooling system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Barkod writer	•
Data transfer via remote network connection, ethernet and USB	•
10" Touchscreen	•
Digital Conveyor	•
Vacuum cleaner for chips	○
Oz Machine Softcut (Cutting optimisation program)	○

• Standard ○ Optional

																
HP kW	n	Hz	I (400 V)	kW	n	I	ø D	ø d	s	n	min.	max.	Air Pressure	Air Consumption	L x w x h (mm)	
4 3	3000 r.p.m	50 60	6,4 A	1	3000 r.p.m	5,02 A	550 mm	30-32 mm	4,4 mm	2380 r.p.m	240 mm	3220 mm	6 - 8 bar	98 L / min.	7170 x 2200 x 1615 586 kg	

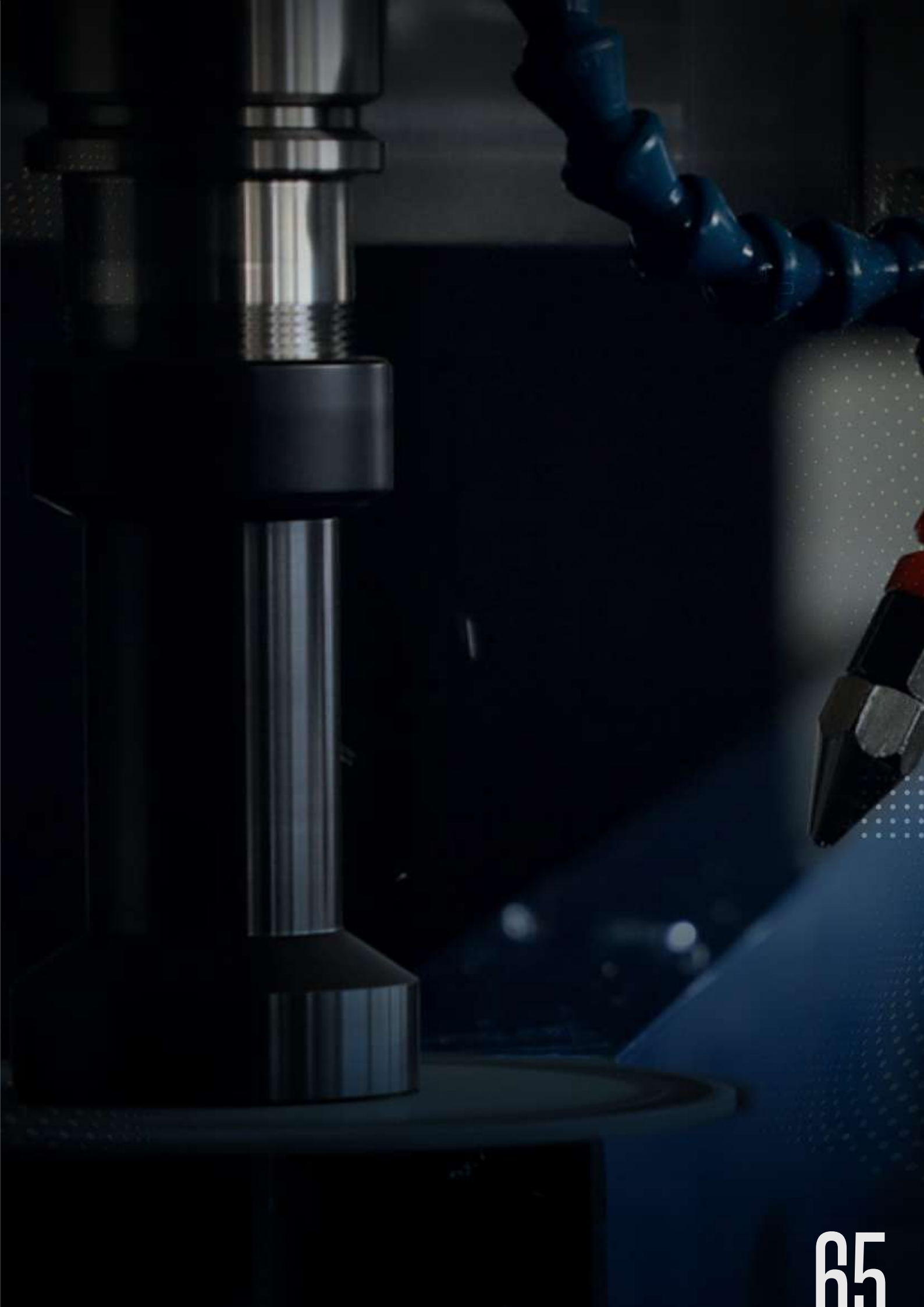


COMPARISON TABLE



	LEO R	LEO - X	LEOPLUS
Material (Alm / Pvc / Wood)	✓	✓	✓
Saw Diameter (mm)	Ø 550 / Ø 600	Ø 550	Ø 550
Engine Power - (kW)	3	3	3
Cutting Angle (°)	45 / 22,5	90 / 30	45 / 22,5
Min/Max Cutting Size (mm)	395 / 3350	240 / 3220	0 / 6500
Angle Positioning (Automatic Servo)	✓	✓	✓
Automatic Supporting Conveyor	✓	✓	X
Servo Controlled Profile Loading Robot (Gripper)	X	X	✓
Manual Supported Output Conveyor	✓	✓	✓
Digital Adjustment of Saw Output Setting	✓	✓	✓
Pneumatic Vertical and Horizontal Clamp	✓	✓	✓
Spray Saw Cooling System	✓	✓	✓
Barcode Printer	✓	✓	✓
Dust Extraction System (Vela)	Opt.	Opt.	Opt.
Oz Machine Softcut (Cutting optimization program)	Opt.	Opt.	Opt.
Remote Network Connection, Ethernet and USB Data Transfer	✓	✓	✓





METEOR 420

Automatic Rising Blade Saw Ø 420 with
3 m Roller Conveyor

SINGLE HEAD



Technical Sheets

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Features

Used for cutting processes of aluminum, plastic and wooden profiles.

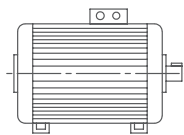
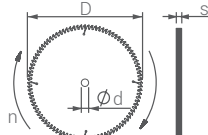

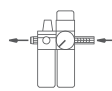
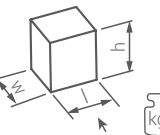
- Hydro-Pneumatic cutting process
- Secure cutting by the cover equipped with a safety sensor
- Cutting speed adjustment based on the profile
- Cutting at any desired angle between -67.5° and +67.5°
- Cutting at -67,5°, -45°, -30°, -22,5°, -15°, 0°, 15°, 22,5°, 30°, 45°, 67.5°
- Increase in cutting capacity with mobile miter
- Pneumatic vertical and horizontal clamps

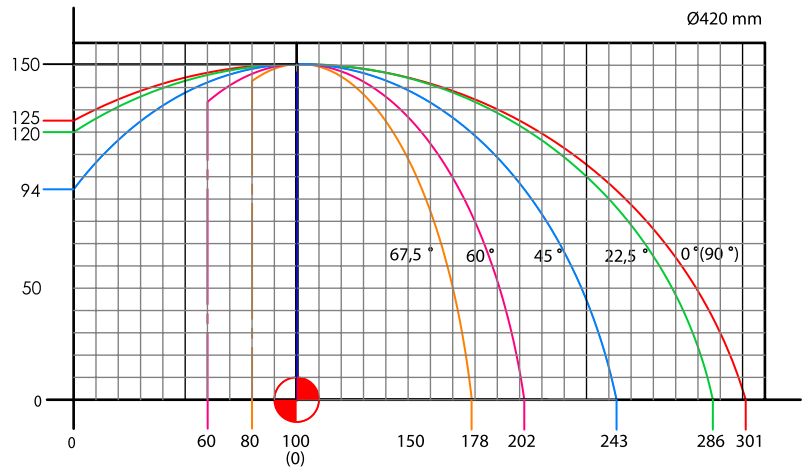
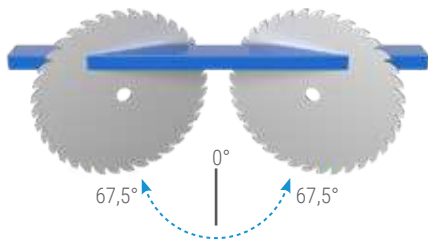
Standard Equipments

- Ø 420 saw blade
- Conveyor (right)
- Cooling system
- Compatibility with powder suction system

Optional Equipments

- Conveyor
- Single-phase system
- Profile minimum cutting equipment
- 180° cutting

										
HP kW	n r.p.m	Hz	I (400 V) A	Ø D mm	Ø d mm	s mm	n r.p.m	Air Pressure bar	Air Consumption L / min.	l x w x h (mm) kg
4 3	3000	50	6,4 A	420 mm	30-32 mm	3,6 mm	2900 r.p.m	6 - 8 bar	38 L / min.	3860 x 1080 x 1460 225 kg



METEOR 500

Automatic Rising Blade Saw Ø 500 with
3 m Roller Conveyor

SINGLE HEAD



Technical Sheets

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Features

Used for cutting processes of aluminum, plastic and wooden profiles.

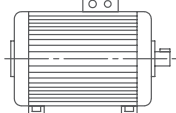
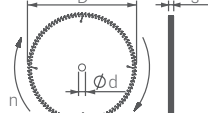

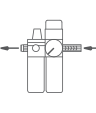
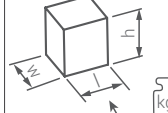
- Hydro-Pneumatic cutting process
- Secure cutting by the cover equipped with a safety sensor
- Cutting speed adjustment based on the profile
- Cutting at any desired angle between -67.5° and +67.5°
- Cutting at -67,5°, -45°, -30°, -22,5°, -15°, 0°, 15°, 22,5°, 30°, 45°, 67.5°
- Increase in cutting capacity with mobile miter
- Pneumatic vertical and horizontal clamps

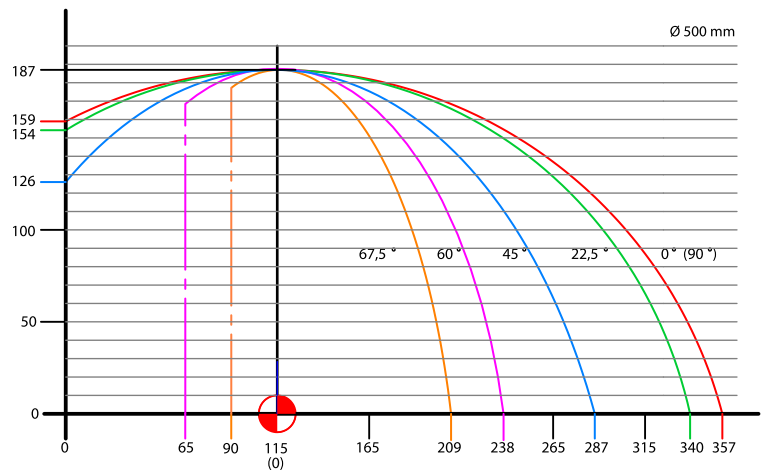
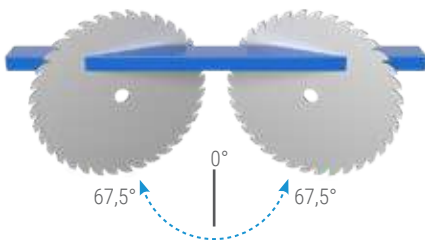
Standard Equipments

- Ø 500 saw blade
- Conveyor (right)
- Cooling system
- Compatibility with powder suction system

Optional Equipments

- Conveyor
- Single-phase system
- Profile minimum cutting equipment
- 180° cutting

										
HP kW	n r.p.m	Hz	I (400 V) A	ø D mm	ø d mm	s mm	n r.p.m	Air Pressure bar	Air Consumption L / min.	l x w x h (mm) kg
4 3	3000	50	6,4 A	500 mm	30-32 mm	4 mm	2347 r.p.m	6 - 8 bar	38 L / min.	3910 x 1160 x 1480 278 kg



METEOR 600

Automatic Rising Blade Saw Ø 600 mm
with 3 m Roller Conveyor

SINGLE HEAD



Technical Sheets

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Features

Used for cutting processes of aluminum, plastic and wooden profiles.

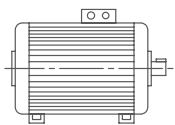
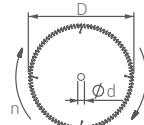

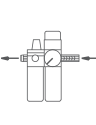
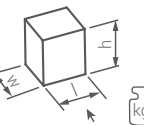
- Hydro-Pneumatic cutting process
- Secure cutting by the cover equipped with a safety sensor
- Cutting speed adjustment based on the profile
- Cutting at -67,5°, -45°, -30°, -22,5°, -15°, 0°, 15°, 22,5°, 30°, 45°, 67,5°
- Increase in cutting capacity with mobile miter
- Pneumatic vertical and horizontal clamps

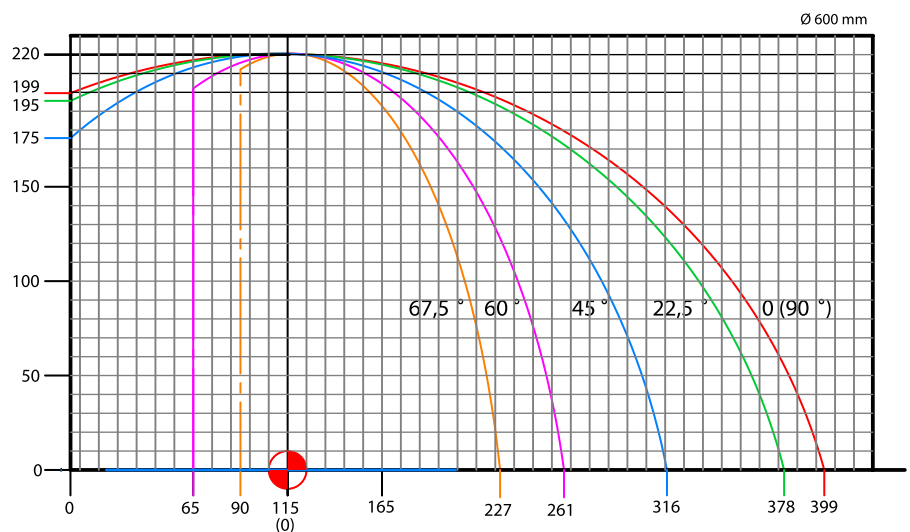
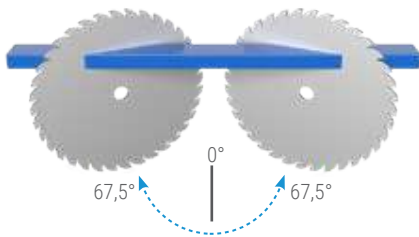
Standard Equipments

- Ø 600 mm saw blade
- Feeding conveyor (right)
- Cooling system
- Compatibility with powder suction system

Optional Equipments

- Exit conveyor (left)
- Single-phase system
- Profile minimum cutting equipment
- 180° cutting

										
HP kW	n	Hz	I (400 V)	Ø D	Ø d	s	n	Air Pressure	Air Consumption	l x w x h (mm) kg
4 3	2900 r.p.m	50	6,4 A	600 mm	30-32 mm	4,7 mm	2193 r.p.m	6 - 8 bar	58 L / min.	3920 x 1230 x 1675 331 kg



COMPARISON TABLE



	METEOR 420	METEOR 500	METEOR 600
Material (Alm / Pvc / Wood)	✓	✓	✓
Saw Diameter (mm)	Ø 420	Ø 500	Ø 600
Engine Power - (kW)	3	3	3
Saw Speed (rpm)	2900	2347	2193
Saw Thickness (mm)	3,6	4	4,7
Cutting Angle (°)	67,5 / 67,5	67,5 / 67,5	67,5 / 67,5
Vertical Clamp - Pneumatic (2pcs.)	✓	✓	✓
Horizontal Clamp - Pneumatic (2 pcs.)	✓	✓	✓
Conveyor (Right)	✓	✓	✓
Conveyor (Left)	Opt.	Opt.	Opt.
Spray Milling Cooling System	✓	✓	✓
Dust Extraction System (Vela)	Opt.	Opt.	Opt.
Profile minimum cutting tool	Opt.	Opt.	Opt.
180° Cutting	Opt.	Opt.	Opt.



ORBIT III

Semi-Automatic PVC Corner and Surface
Cleaning Machine (Single Cutter Set)

SINGLE HEAD



Technical Sheets

Features

Used for cleaning welded corners and surfaces of plastic profiles.

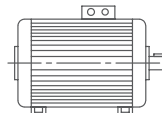
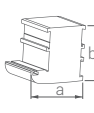
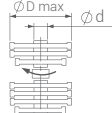
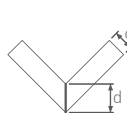

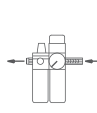

- Hydro-Pneumatic motion
- Automatic returning to process starting point
- Centering system allowing profiles to correctly fit on a 45° miter
- Pneumatic clamps
- Pneumatic blade replacement system

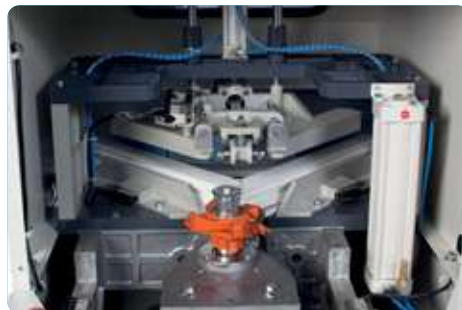
Standard Equipments

- Surface cleaning blade

Optional Equipments

- Cleaning knife set
- Single-phase system
- Conveyor

														
HP kW	n	3~ Hz	I (400 V)	a	b	ø D		ø d	n	c	d	Air Pressure	Air Consumption	l x w x h (mm)
3 2,2	3000 r.p.m	50 60	4,8 A	130 mm	180 mm	min.	max.	32 mm	3000 r.p.m	130 mm	183 mm	6 - 8 bar	70 L / min	775 x 970 x 1645 ? kg



ORBIT IV SA

Automatic PVC Corner and Surface
Cleaning Machine (3 Surfaces)

SINGLE HEAD



Features

Used for cleaning the burrs created by welding of PVC window rails, doors, frames and similar profiles welded at an angle of 90°

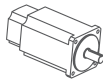
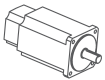
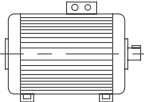

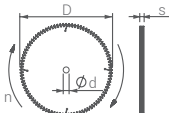



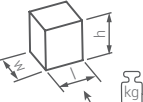
- Cleaning of bottom, top and external surfaces of the profile by two independent cleaning units
- Memory capacity for 250 profiles
- Touchscreen control panel
- Easy and quick entering of the program for the profile to be cleaned with the proprietary software of Özçelik Makina
- Operator adjusted cutting speed and axial speeds

Standard Equipments

- Surface cleaning blade
- Profile external cleaning saw blade

Optional Equipments

- Profile Support Unit

																					
kW	n	I (230 V)	kW	n	I (230 V)	HP kW	n	Hz	I (400 V)	a	b min	b max	ø D	ø d	s	n	x min	y min	Air Pressure	Air Consumption	I x w x h (mm)
0,6	3000 r.p.m	3,6 A	0,8	3000 r.p.m	4,8 A	0,75 0,55	3000 r.p.m	50 60	2 A	155 mm	30 mm	150 mm	230 mm	32 mm	3,2 mm	3000 r.p.m	350 mm	350 mm	6 - 8 bar	95 L / min	2540 x 3360 x 1560 400 kg



ORCA

Automatic Saw for PVC Strips

SINGLE HEAD



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Technical Sheets

Used for cutting window strips of plastic profiles at an angle of 45°.

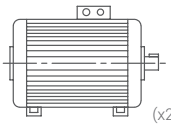
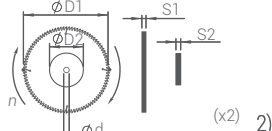

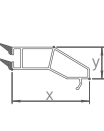

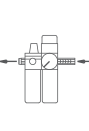
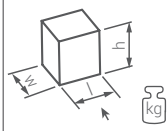
- Pneumatic cutting
- Automatic returning to process starting point
- Conveyor system with measuring equipment
- Cutting and conveying speed adjustment

Standard Equipments

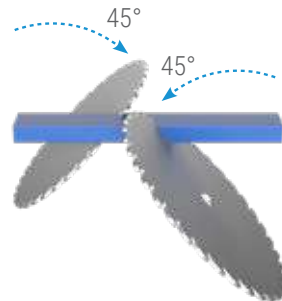
- Ø 100 mm saw blade (2 pcs)
- Ø 200 mm saw blade (2 pcs)
- Strip mold
- Conveyor

Optional Equipments

- Special mold
- Single-phase system

															
HP kW	n	3~ Hz	I (400 V)	ø D1	ø D2	ø d	S1	S2	n	CA	x max	y max	Air Pressure	Air Consumption	l x w x h (mm)
1,5 1,1	3000 r.p.m	50 60	4,6 A	200 mm	100 mm	32-22 mm	2 mm	4 mm	3000 r.p.m	45°	50 mm	30 mm	6 - 8 bar	20 L / min	1020 x 2515 x 1110 116 kg

CA: Cutting Angles



ORION I SN

Automatic Single Head Seamless
Standard PVC Welding Machine

SINGLE HEAD



Technical Sheets

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Used for welding processes of plastic profiles at various angles.

- Pneumatic motion
- Seamless welding and standard welding
- Welding between 30° and 180°
- One button replacement of welding system
- Automatic process starting and finishing
- Welding time adjustment and digitally controlled heating
- Temperature adjustment between 0°C and 350°C with electronic thermostat

Standard Equipments

- Left and right profile support
- Teflon

Optional Equipments

- Special mold
- Three-phase system

kW	Hz	I (230 V)	a	b	x	Air Pressure	Air Consumption	l x w x h (mm)
2,2	50 60	10,5 A	140 mm (x: 90°)	120 mm	60° - 180°	6 - 8 bar	30 L / min	1810 x 950 x 1375 156 kg



POLAR II

End Milling Machine

SINGLE HEAD



Technical Sheets



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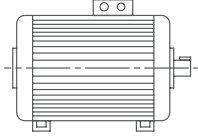
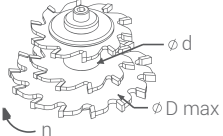
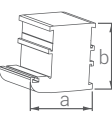
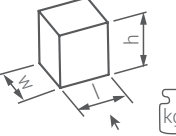
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Used for end milling processes of aluminum and plastic profiles.

- Vertical and horizontal clamping system
- Secure operation by the cover equipped with a safety sensor
- Profile support conveyor
- Blade holding station

Optional Equipments

- Cutter set
- Three-phase system

										
HP kW	n	Hz	I (230 V)	ø D maks.	ø d	n	a	b	l x w x h (mm)	
1,5 1,1	3000 r.p.m	50 60	4,8 A	140 mm	30 mm	3000 r.p.m	160 mm	90 mm	850 x 620 x 1230 65kg	

POLAR III

Automatic End Milling Machine

SINGLE HEAD



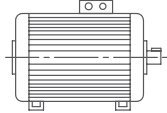
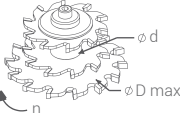
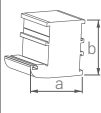

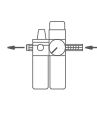
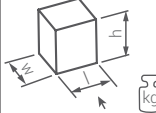
Technical Sheets

Used for end milling processes of aluminum and plastic profiles.

- Hydro-Pneumatic motion
- Pneumatic vertical and horizontal clamps
- Secure operation by the cover equipped with a safety sensor
- Automatic returning to process starting point
- End-milling processes at various angles with graded miter
- Profile support conveyor
- Blade holding station

Optional Equipments

- Cutter set
- Single-phase system

											
HP kW	n r.p.m	Hz	I (400 V) A	ø D max. mm	ø d mm	n r.p.m	a mm	b mm	Air Pressure bar	Air Consumption L / min.	l x w x h (mm) kg
1,5 1,1	3000	50 60	4,8 A	140 mm	30 mm	3000 r.p.m	210 mm	90 mm	6 - 8 bar	30 L / min.	970 x 670 x 1140 84kg



POLAR IV

Automatic End Milling Machine
Pneumatic Blade Replacement

SINGLE HEAD



Technical Sheets

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Features

Used for end milling processes of aluminum and plastic profiles.

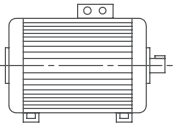
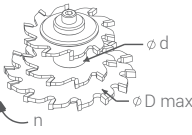
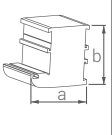

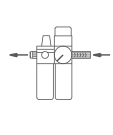
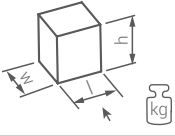
- Hydro-Pneumatic motion
- Pneumatic vertical and horizontal clamps
- Secure operation by the cover equipped with a safety sensor
- Automatic returning to process starting point
- End-milling processes at various angles with graded miter
- Easy blade replacement
- Profile support conveyor
- Blade adapter
- Blade holding station

Standard Equipments

- Cooling system

Optional Equipments

- Cutter set
- Single-phase system

											
HP kW	n r.p.m	Hz	I (400 V) A	ϕD max. mm	ϕd mm	n r.p.m	a mm	b mm	Air Pressure bar	Air Consumption L / min.	L x W x H (mm) kg
3 2,2	3000	50 60	4,4	160	30	3000	210	160	6 - 8	30 L / min.	970 x 670 x 1140 110kg



POLAR V

Automatic End Milling Machine

SINGLE HEAD



Technical Sheets

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Features

Used for end milling processes of aluminum and plastic profiles.

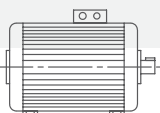
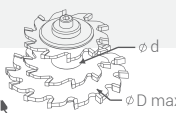
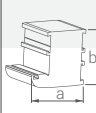

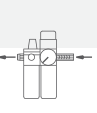
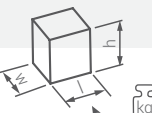
- Hydro-Pneumatic motion
- Pneumatic vertical and horizontal clamps
- Secure operation by the cover equipped with a safety sensor
- Automatic returning to process starting point
- End-milling processes at various angles with graded miter
- Profile support conveyor
- Blade adapter
- Blade holding station

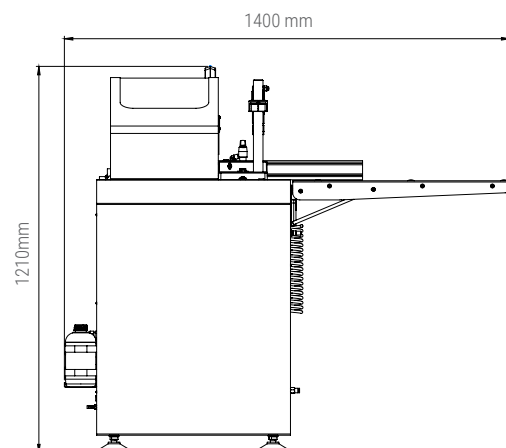
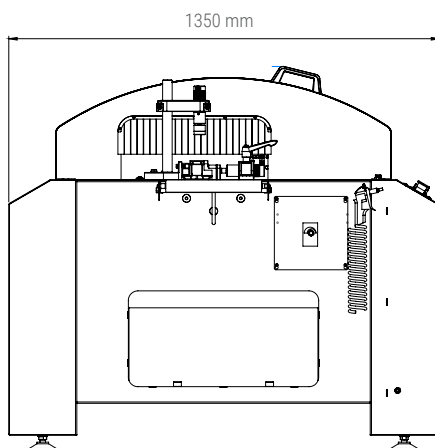
Standard Equipments

- Cooling system

Optional Equipments

- Cutter set

											
HP kW	n	3~ Hz	I (400 V)	ø D max.	ø d	n	a	b	Air Pressure	Air Consumption	l x w x h (mm)
3 2,2	3000 r.p.m	50 60	4,8 A	270 mm	30 mm	3000 r.p.m	275 mm	180 mm	6 - 8 bar	35 L / min.	1350 x 1400 x 1210 180 kg



COMPARISON TABLE



	POLAR - I	POLAR - II
Material (Alm / Pvc)	✓	✓
Working Method - (Manual / Automatic)	Manual	Manual
Engine Power - (Kw)	1,1	1,1
Cutter Blade Diameter - Max.(mm)	Ø140	Ø140
Cutter Blade Diameter - Min.(mm)	Ø30	Ø30
Profile Width - Max.(mm)	125	160
Profile Height - Max.(mm)	70	90
Angled Miter	✓	✓
Vertical Clamp - (Manual / Automatic)	Manual	Manual
Horizontal Clamp - (Manual / Automatic)	Manual	Manual
Profile Support Unit	X	✓
Conveyor Type Profile Support Unit	X	X
Extra Blade Station	X	✓
Blade Adapter	X	X
Pneumatically one-touch tool changing	X	X
Spray Blade Cooling System	X	X
Safety (Protection)	Blade group protection	Cabin Manual Open/Close
Safety Key in Enclosure	Start/Stop button	✓
Air - (Pressure -6-8 Bar)	X	X
Electrical System (Standard)	Single phase	Single phase



Technical Sheets



POLAR - III	POLAR - IV	POLAR - V
✓	✓	✓
Automatic (Hydropneumatic)	Automatic (Hydropneumatic)	Automatic (Hydropneumatic)
1,1	2,2	2,2
Ø140	Ø160	Ø270
Ø30	Ø30	Ø30
210	210	275
90	160	180
✓	✓	✓
Automatic (Pneumatic)	Automatic (Pneumatic)	Automatic (Pneumatic)
Automatic (Pneumatic)	Automatic (Pneumatic)	Automatic (Pneumatic)
✓	✓	X
X	X	✓
✓	✓	✓
X	✓	✓
X	✓	✓
X	✓	✓
Cabin Manual Open/Close	Cabin Manual Open/Close	Cabin Manual Open/Close
✓	✓	✓
✓	✓	✓
Three phase	Three phase	Three phase

SPICA

V Cut & 90° Notching Machine

SINGLE HEAD



Technical Sheets

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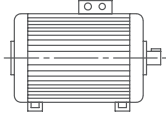
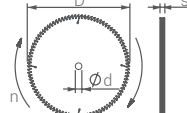

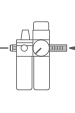
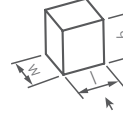

Features

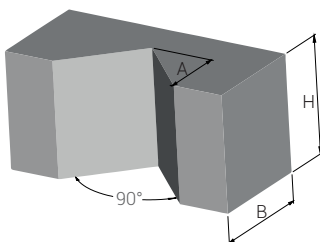
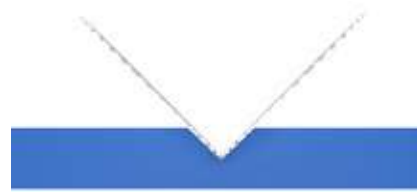
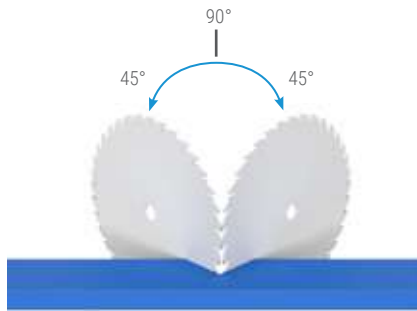
Used for V cutting, arrow cutting, 45° cutting and 90° notching processes of aluminum and plastic profiles.

- Hydro-Pneumatic cutting process
- Adjustable saw blade travel speed to the profiles
- Double hand start

Standard Equipments

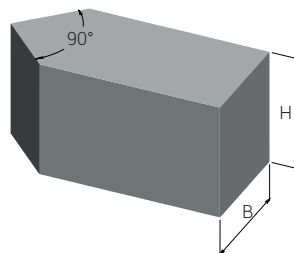
- Ø 500 mm saw (2 pcs.)
- Cooling system
- V cutting set with Pneumatic clamps
- Right and left conveyor (V cutting and L cutting 3 m)
- L cutting (90°) notching set with Pneumatic clamps

											
HP kW	n	3~ Hz	I (400 V)	Ø D	Ø d	s	n	Air Pressure	Air Consumption	l x w x h (mm)	kg
4 3	2900 r.p.m	50	6,6 A	500 mm	30-32 mm	4 mm	2340 r.p.m	6 - 8 bar	55 L / min.	1165 x 1125 x 1980	460 kg



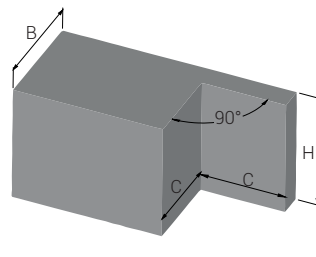
A:140 mm B:230 mm H:250 mm

V CUTTING



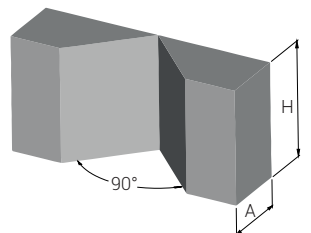
B:230 mm H:250 mm

90° ARROW CUTTING



B:230 mm C:180 mm H:250 mm

90° NOTCHING



A:140 mm H:250 mm

45° CUTTING

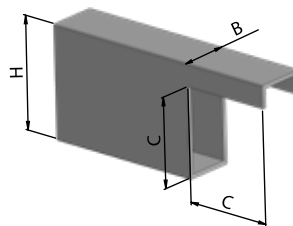
SPICA F

Aluminum Facade Notching Machine
Manual

SINGLE HEAD



SPICA F saw Notching Machine is designed and constructed for variable notching possibilities on the sash, frame, mullion and transom profile combinations for urtainwalls, winter gardens, skylights and special design processing with the special angles at the profile and surface. A work unit that moves on a profile fixed with automatic horizontal and vertical clamps, which is controlled manually via a linear guide slide, performs cutting operations using two fixed saws.

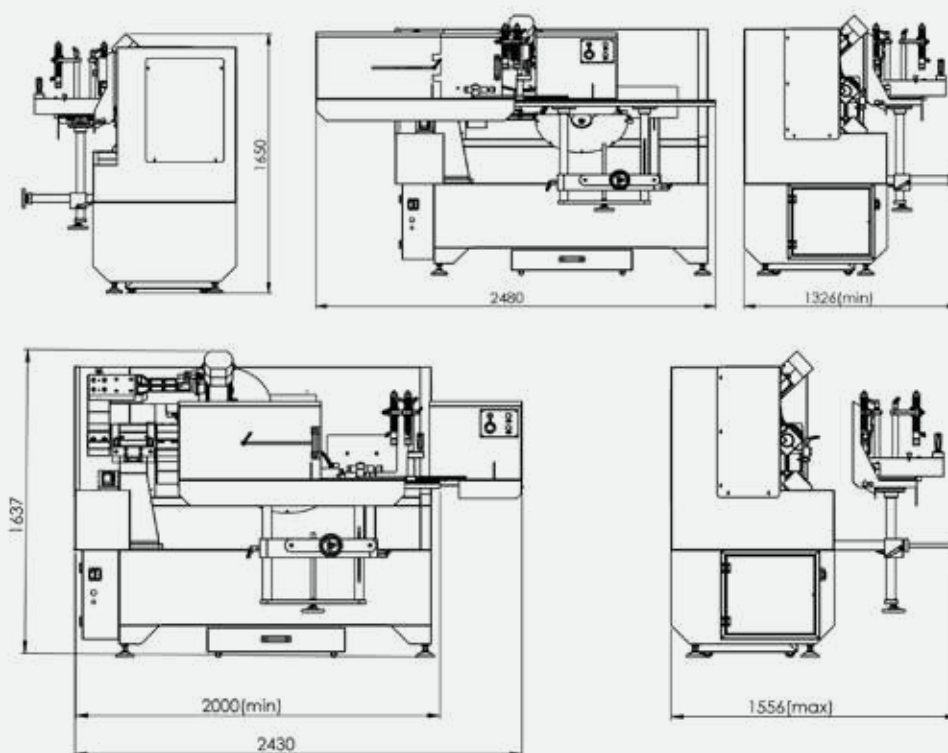


B:150 mm C:175 mm H:250 mm

90° NOTCHING



Technical Sheets



AIR - ELECTRIC

Pressure	6-8 Bar
Voltage	380 V
Frequency	50 Hz
Consumption	15 L/min

CUTTING VERTICAL UNIT

Saw blade diameter	500 mm
Maximum profile cutting dimensions (width / height)	150/250
Saw blade motor power	2,2 kW
Maximum speed	3000 rpm
Maximum cutting depth	200 mm
Saw tilt angel range	±45°

CUTTING HORIZONTAL UNIT

Saw blade diameter	500 mm
Saw blade motor power	2,2 kW
Maximum speed	3000 rpm
Maximum cutting depth	175 mm
Saw tilt angel range	±60°

PROFILE CONNECTION CAPACITY

Profile Height	250 mm
Profile Width	150 mm
Movable Miter Angle	0° / 45°

● Standard ○ Optional

VEGA II

Automatic Single Head Saw Ø 400 mm

SINGLE HEAD



Technical Sheets

www.ozcelik.com

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Features

Used for cutting processes of aluminum, plastic and wooden profiles.

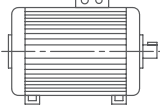
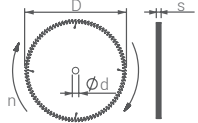


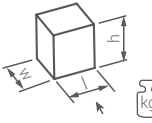
- Safe cutting with double spring system and saw barrier
- Cast core with impact resistance
- Cutting at any desired angle between -45° and +45°
- Cutting at 0°, 15°, 22.5°, 30°, 45° right and left fixed angles
- Pneumatic vertical and horizontal clamps
- Hydro-Pneumatic cutting process
- Cutting speed adjustment based on the profile

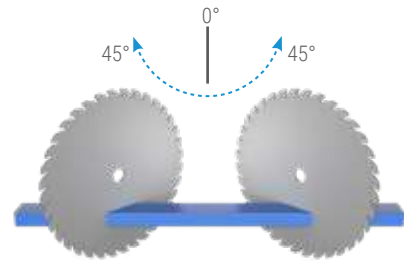
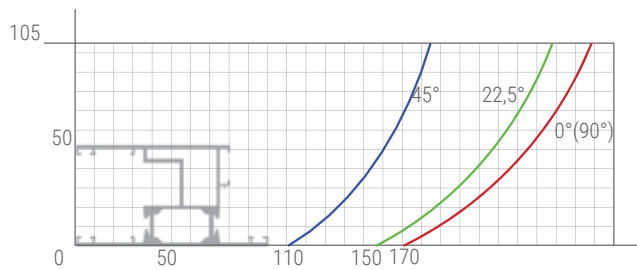
Standard Equipments

- Ø 400 mm saw blade
- Cooling system

Optional Equipments

- Conveyor
- Single-phase system

										
HP kW	n r.p.m	3~ Hz	I (400 V) A	Ø D mm	Ø d mm	s mm	n r.p.m	Air Pressure bar	Air Consumption L / min.	l x w x h (mm) kg
3 2,2	3000	50 60	4,8	400	30-32	3,6	3000	6 - 8	25 L / min.	720 x 1230 x 1500 120 kg



VEGA II M

Manual Single Head Saw Ø 400 mm

SINGLE HEAD



Technical Sheets

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Features

Used for cutting processes of aluminum, plastic and wooden profiles.

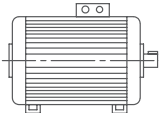
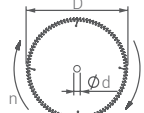


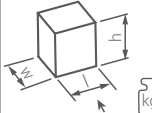
- Safe cutting with double spring system and saw barrier
- Cast core with impact resistance
- Cutting at any desired angle between -45° and +45°
- Cutting at 0°, 15°, 22.5°, 30°, 45° right and left fixed angles
- Manual cutting process and operating system
- Pneumatic vertical and horizontal clamps

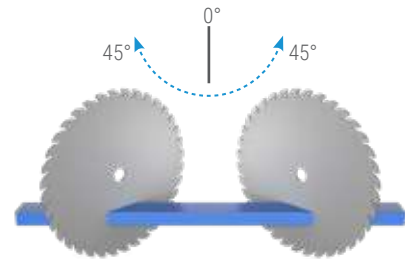
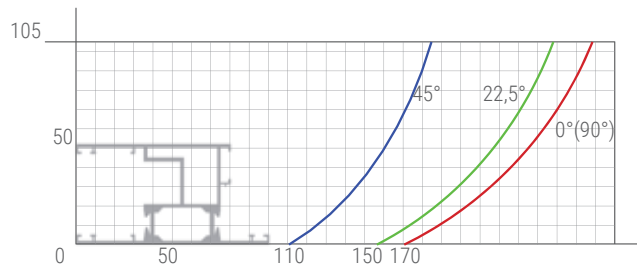
Standard Equipments

- Ø 400 mm saw blade
- Cooling system

Optional Equipments

- Conveyor
- Single-phase system

											
HP	kW	n	3~ Hz	I (400 V)	ø D	ø d	s	n	Air Pressure	Air Consumption	l x w x h (mm)
3	2,2	3000 r.p.m	50 60	4,8 A	400 mm	30-32 mm	3,6 mm	3000 r.p.m	6 - 8 bar	15 L / min.	710 x 870 x 1565 88 kg



COMPARISON TABLE

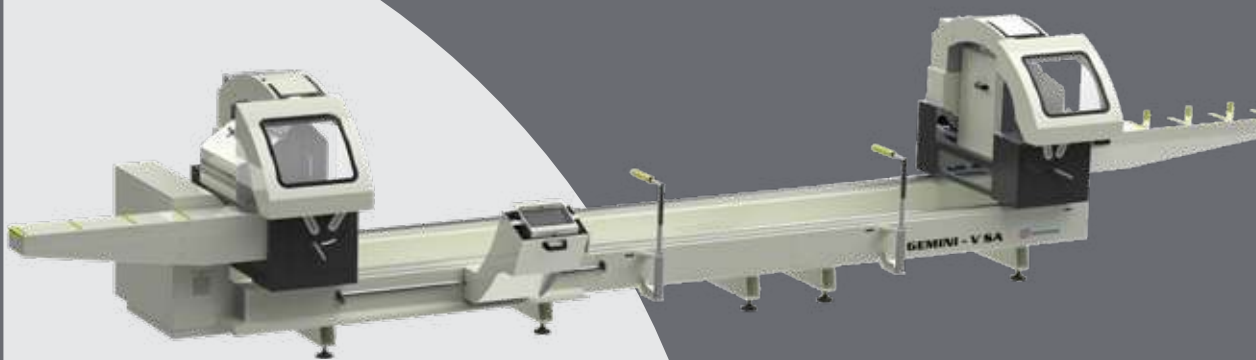


	VEGA - I 400	VEGA - II M	VEGA - II
Material (Alm / Pvc / Wood)	✓	✓	✓
Cutting Type (Manual / Automatic)	Manual	Manual	Automatic (Two Hand Button)
Saw Diameter (mm)	Ø 400	Ø 400	Ø 400
Engine Power - (kW)	2,2	2,2	2,2
Saw Speed (rpm)	3000	3000	3000
Saw Thickness (mm)	3,6	3,6	3,6
Cutting Angle (°)	45/ 45	45/ 45	45/ 45
Vertical Vise - Manual / Pneumatic	X	Pneumatic (2 pcs.)	Pneumatic (2 pcs.)
Horizontal Vice - Manual / Pneumatic	Manual (1 pcs.)	Pneumatic (2 pcs.)	Pneumatic (2 pcs.)
Conveyor	Opt.	Opt.	Opt.
Profile Support	✓	X	X
Spray Saw Cooling System	X	✓	✓



DOUBLE HEAD





APEX II

Automatic Hydraulic Double Head Aluminum
Corner Crimping Machine

DOUBLE HEAD



APEX - II, which has automatic hydraulic double head corner crimping, is used for corner binding processes for aluminium profiles. Incorporating manual metering precision and the power of hydraulic system in its body, it provides its users with quick solutions. APEX - II provides a perfect corner binding process while minimising the user errors thanks to its double stage pressure system.



Technical Sheets

Features

PROFILE SIZES

Minimum profile length	495 mm - 495 mm
Maximum profile length	3500 mm - 3500 mm
Maximum profile height	150 mm

CRIMPING BLADES

Travel distance	40 mm
Distance between blades	100 mm
5 mm crimping blade set	4 pcs
7 mm crimping blade set	4 pcs

POSITIONING SPEED

X Axis (Longitudinal)	Manual
-----------------------	--------

ELECTRICAL

Maximum power	3,3 kW
Voltage	400V
Frequency	50-60 Hz

AIR

Pressure	6-8 Bar
Air consumption	22,42 L/min

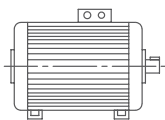
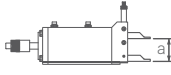
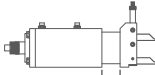
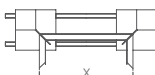


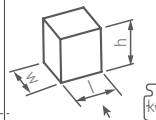
OIL

Pressure	150 Bar
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OPERATIONAL AREA

Left and right profile support	•
Crimping set for custom profiles	○

• Standard ○ Optional

											
HP kW	n r.p.m	Hz	I (400 V) A	a	b	x		h	Oil Pressure	Air Pressure	l x w x h (mm)
4 3	1430	50 60	6,42 A	100 mm	40 mm	min. 495 mm	max. 3500 mm	150 mm	150 bar	6 - 8 bar	4425 x 1605 x 1410 990 kg

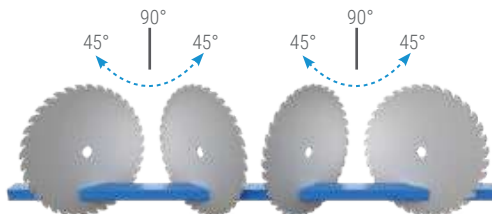
GEMINI II A

Double Head Saw Ø 400 mm with Semi Automatic Digital Display

DOUBLE HEAD



Semi-automatic double head saw with 400 mm saw blades GEMINI – II A is ideal for cutting aluminum, PVC and wood profiles in various angles and thickness. GEMINI – II A provides rapid and automatic positioning with electro control on X axis and moving head positioning control with linear scale. It is also provides manual positioning at any angles between -45° and +45°. Safety is a topmost priority for GEMINI – II A together with the horizontal and automatic clamps along with profile support unit which improve the cutting quality.



Technical Sheets

Features

AXIS TRAVEL

Electro control X axis	•
Manual control X axis	○
Moving head positioning control with linear scale	•
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head	610 mm
Maximum cutting length with double head	4550 mm
Maximum internal rotation angle	45°
Maximum external rotation angle	-45°

POSITIONING SPEED

X axis positioning speed	15 m/min
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AIR

Pressure	6 - 8 Bar
Consumption	50 L/min

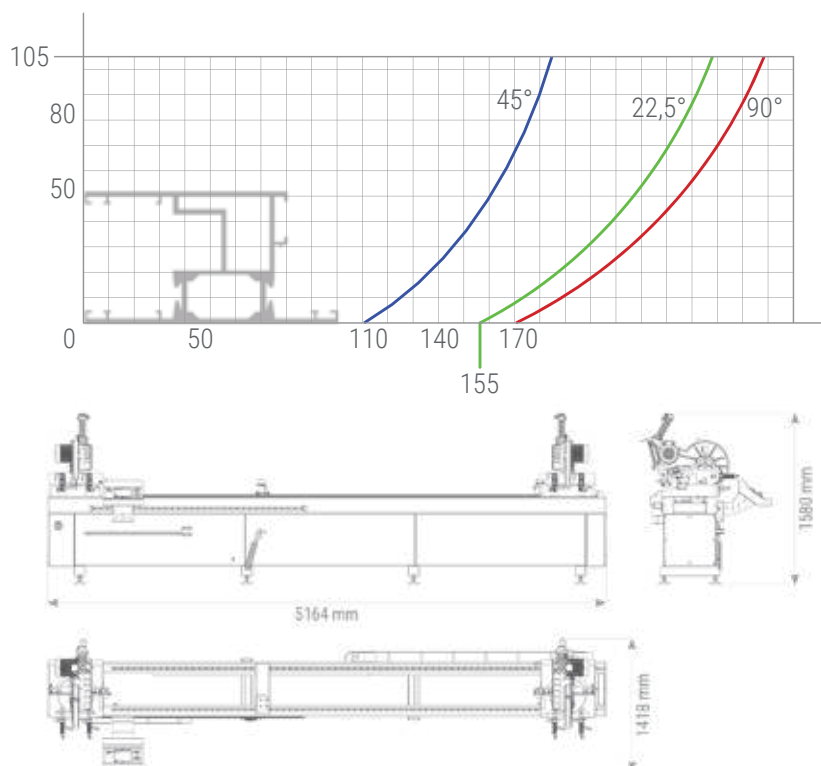
ELECTRICAL

Maximum power	5,45 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	400 mm
Saw blade motor power	2.2kW - 3HP
Optional length in X-axis	○
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Intermediate profile support (pcs)	1
Additional intermediate profile support	○
Spray saw cooling system	•
Saw blade travel speed adjustment	•

• Standard ○ Optional



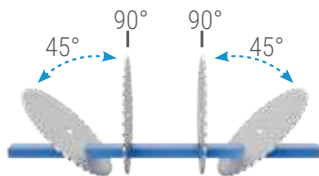
GEMINI IV M

Double Head Front Blade Saw Ø 450 mm
with Semi Auto Angle Adjustment and Digital
Measurement Display

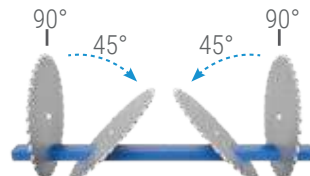
DOUBLE HEAD



Double head front blade saw with 450 mm saw blades GEMINI – IV M is ideal for cutting aluminum and PVC profiles in various angles and thickness. GEMINI – IV M provides rapid angle positioning of heads hydro-pneumatically at the angles 45° and 90° and manual positioning at the intermediate angles. Double head GEMINI – IV M enables simultaneous cutting of profile lengths from 560 mm to 4040 mm. Safety is a topmost priority for GEMINI – IV M together with the horizontal clamps along with profile support units which improve the cutting quality.



External Tilt Model



Internal Tilt Model



Technical Sheets

Features

AXIS TRAVEL

Hydro-pneumatic controlled rotation axis of head	•
Rapid angle positioning of heads hydro-pneumatically	45° and 90°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	560 mm / 560 mm
Maximum cutting length with double head (90°/45°)	4040 / 4040 mm
Maximum internal rotation angle (internal tilt / external tilt)	45° / 90°
Maximum external rotation angle (internal tilt / external tilt)	90° / -45°

AIR

Pressure	6 - 8 Bar
Consumption	110 L/min

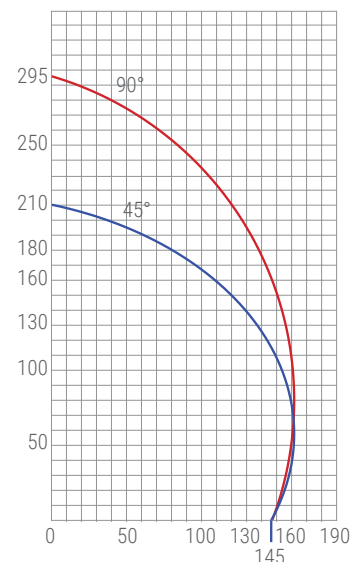
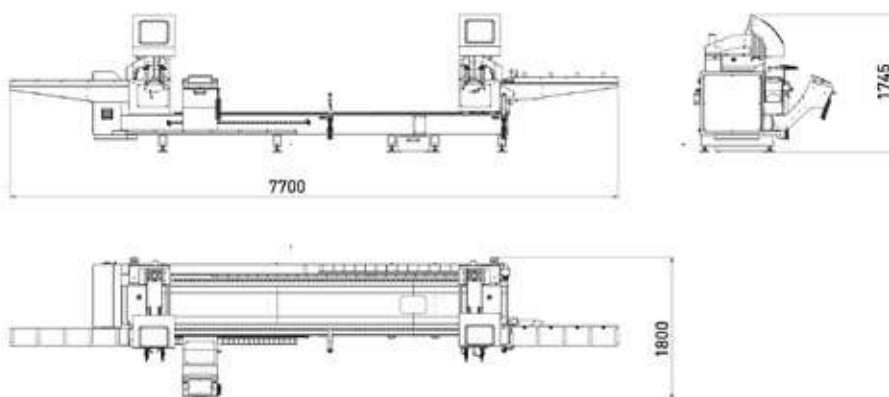
ELECTRICAL

Maximum power	4,9 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	450 mm
Saw blade motor power	2.2kW - 3HP
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	1
Additional intermediate profile support	○
Roller conveyor on moving head	•
Fixed head conveyor	○
Spray saw cooling system	•
Saw blade travel speed adjustment	•
Compatibility with powder suction system	•
Digital display for angular positioning of the head	○

• Standard ○ Optional



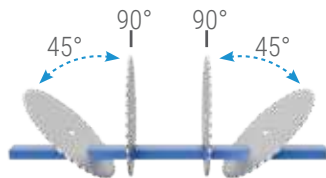
GEMINI IV SA

Double Head Front Blade Saw Ø 450 mm with Automatic positioning and Semi-automatic angle adjustment

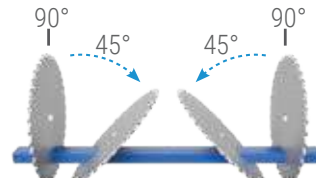
DOUBLE HEAD



GEMINI - IV SA, double head front blade saw with 450 mm sawblade with semi-automatic 1 axis servo control, is an ideal option for cutting aluminium and PVC profiles in different angles and thicknesses. GEMINI - IV SA performs quick hydro-pneumatic angle positioning in 2 inclination models of -45°, 90° and 90°, 45° angles, while the heads that perform manual positioning in all other intermediate angles provide a perfect cutting process. While providing the cutting processes of profiles with a minimum length of 400 mm and a maximum of 4040 mm simultaneously with two heads, it also eliminates the limits in cutting of profiles. While increasing the cutting quality with its automatic horizontal and vertical clamps and profile support unit, GEMINI - IV SA also prioritises safety.



External Tilt Model



Internal Tilt Model



Technical Sheets

Features

AXIS TRAVEL

Hydro-pneumatic controlled rotation axis of head	•
Rapid angle positioning of heads hydro-pneumatically	45° and 90°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	400 / 560 mm
Maximum cutting length with double head (90°/45°)	4040 / 4040 mm
Maximum internal rotation angle (internal tilt / external tilt)	45° / 90°
Maximum external rotation angle (internal tilt / external tilt)	90° / -45°

POSITIONING SPEED

X axis positioning speed	40 m/min
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AIR

Pressure	6 - 8 Bar
Consumption	120 L/min

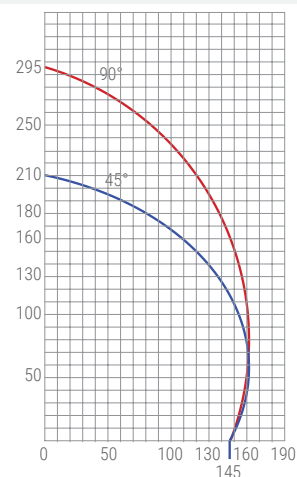
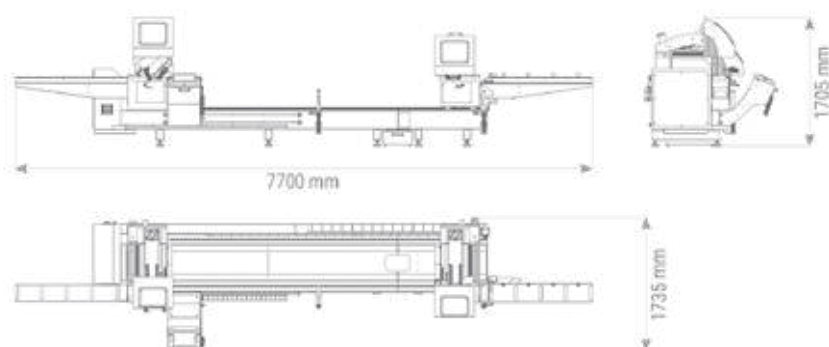
ELECTRICAL

Maximum power	5,7 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	450 mm
Saw blade motor power	2.2kW - 3HP
Profile height measurement (outer slope model)	•
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	2
Additional intermediate profile support	○
Roller conveyor on moving head	•
Fixed head conveyor	○
Spray saw cooling system	•
Saw blade travel digital speed adjustment	○
Saw blade travel speed adjustment	•
Slicing mode at 90°	•
Barcode printer	○
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Digital display for angular positioning of the head	○
Oz Machine Softcut (Cutting optimisation program)	○

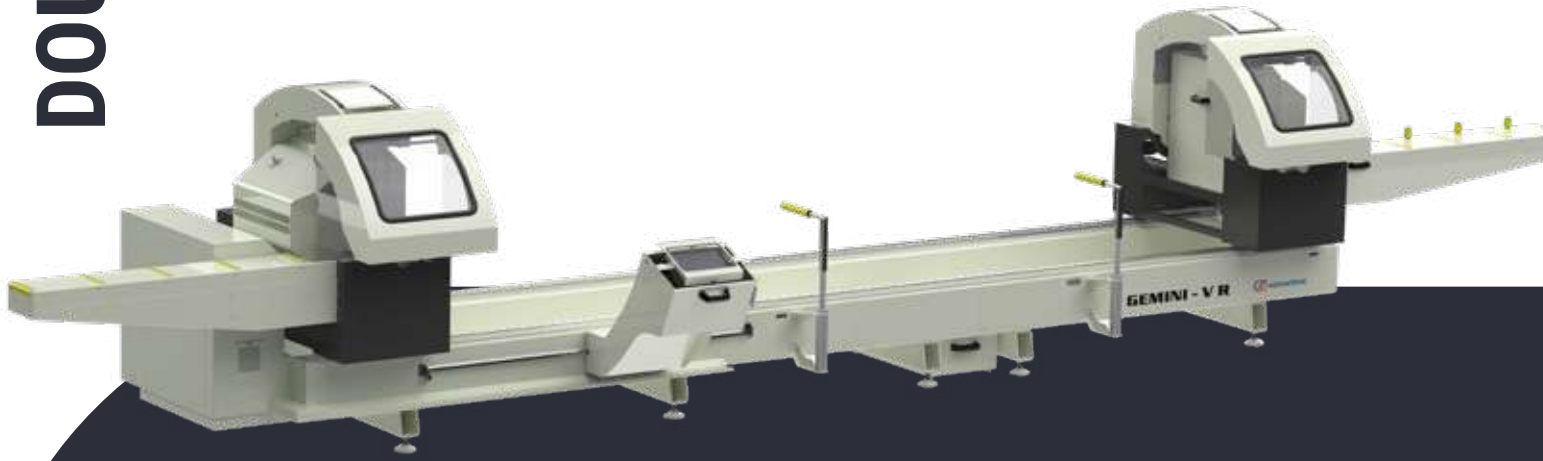
• Standard ○ Optional



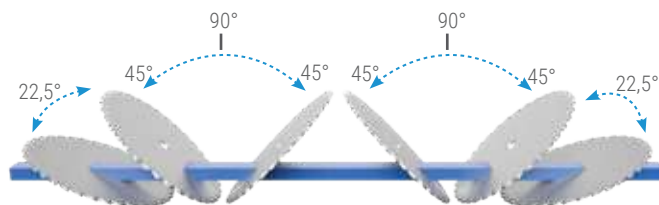
GEMINI V R

Double Head Front Blade Saw Ø 550 mm
Full Automation with 3 Axis Servo Control

DOUBLE HEAD



3 axis servo controlled double head front blade saw with 550 mm saw blades GEMINI – V R is ideal for cutting aluminum and PVC profiles in various angles and thickness. GEMINI – V R provides rapid and automatic positioning of heads with servo control at any angles between -22.5° and 45°. Double head GEMINI – V R enables simultaneous cutting of profile lengths from 480 mm to 5050 mm and eliminates barriers for cutting of 5050 mm and longer profiles. Safety is a topmost priority for GEMINI – V R together with the horizontal and vertical clamps along with profile support units which improve the cutting quality.



Technical Sheets

Features

AXIS TRAVEL

Servo controlled rotation axis of head	•
Rapid positioning of heads with servo control at any angles between	-22.5° and 45°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	480 / 720 mm
Maximum cutting length with double head (90°/45°)	5050 / 5050 mm
Maximum internal rotation angle	45°
Maximum external rotation angle	-22.5°

POSITIONING SPEED

X axis positioning speed	40 m/min
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AIR

Pressure	6 - 8 Bar
Consumption	70 L/min

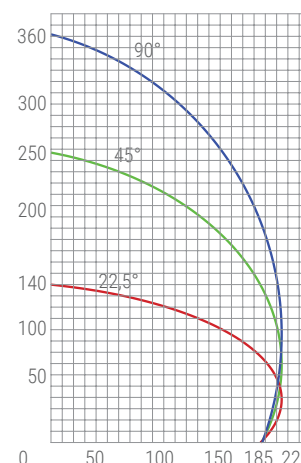
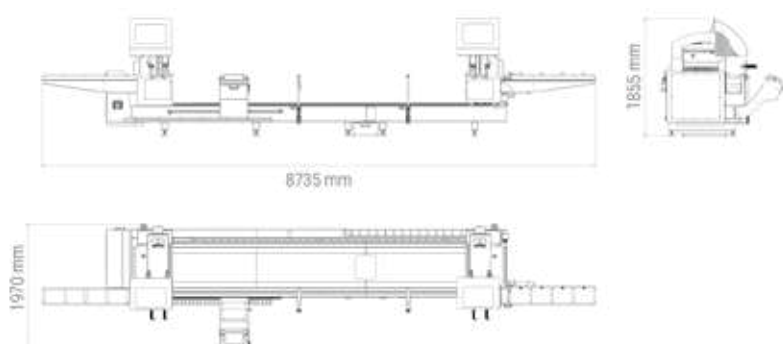
ELECTRICAL

Maximum power	9.1 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP
Profile height measurement	•
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	2
Additional intermediate profile support	○
Roller conveyor on moving head	•
Fixed head conveyor	•
Spray saw cooling system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Angular slicing	•
Barcode printer	•
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Automatic chip extraction unit	○
Oz Machine Softcut (Cutting optimisation program)	○

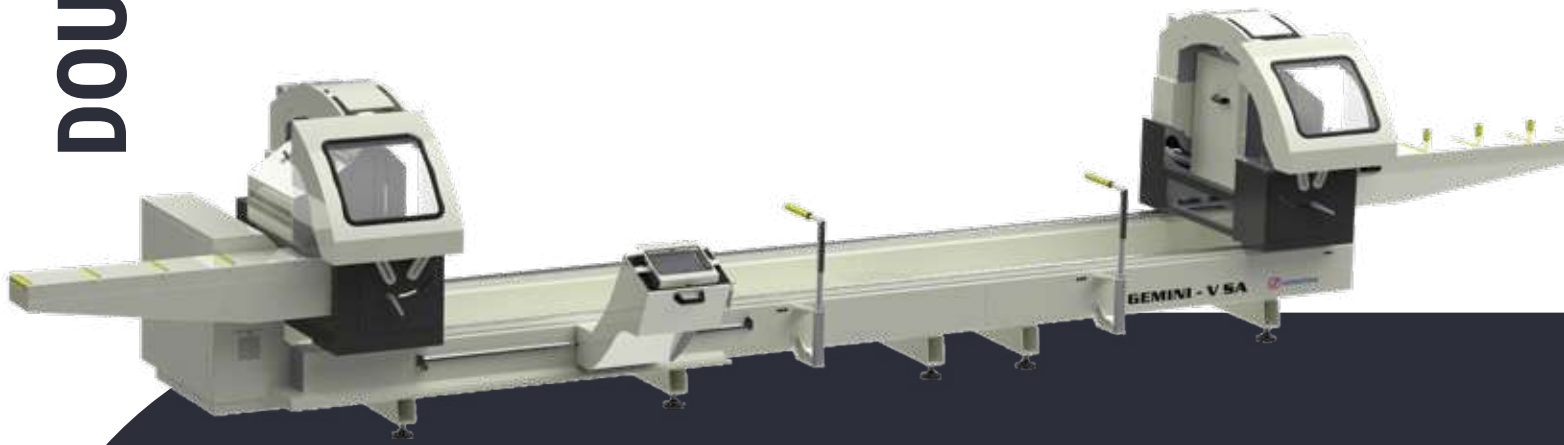
• Standard ○ Optional



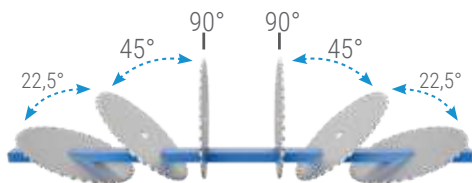
GEMINI V SA

Double Head Front Blade Saw Ø 550 mm
with Automatic positioning and
Semi-automatic angle adjustment

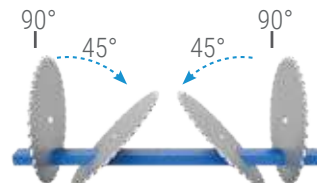
DOUBLE HEAD



GEMINI - V SA, double head front blade saw Ø 550 mm with automatic positioning and semi-automatic angle adjustment, is an ideal option for cutting aluminium and PVC profiles in different angles and thicknesses. GEMINI - V SA performs quick hydro-pneumatic angle positioning in 2 inclination models of -22.5°, -45°, 90° and 90°, 45° angles, while the heads that perform manual positioning in all other intermediate angles provide a perfect cutting process. While providing the cutting processes of profiles with a minimum length of 480 mm and a maximum of 5050 mm simultaneously with two heads, it also eliminates the limits in cutting of profiles. While increasing the cutting quality with its automatic horizontal and vertical clamps and profile support unit, GEMINI - V SA also prioritises safety.



External Tilt Model



Internal Tilt Model



Technical Sheets

Features

AXIS TRAVEL

Hydro-pneumatic controlled rotation axis of head	•
Rapid angle positioning of heads hydro-pneumatically	22.5°, 45° and 90°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	480 / 720 mm
Maximum cutting length with double head (90°/45°)	5050 / 5050 mm
Maximum internal rotation angle (internal tilt / external tilt)	45° / 90°
Maximum external rotation angle (internal tilt / external tilt)	90° / -22.5°

POSITIONING SPEED

X axis positioning speed	40 m/min
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AIR

Pressure	6 - 8 Bar
Consumption	100 L/min

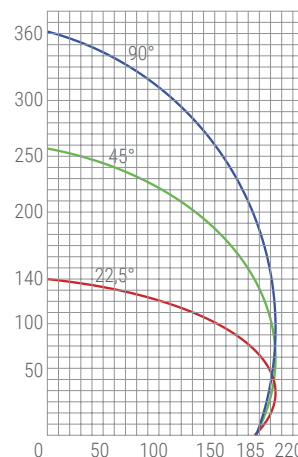
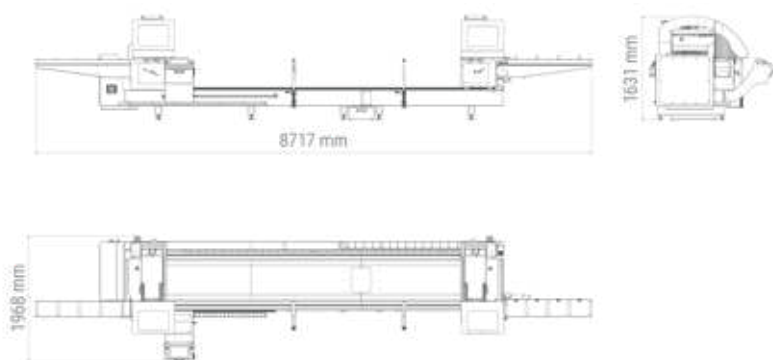
ELECTRICAL

Maximum power	7.4 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP
Profile height measurement (outer slope model)	•
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	2
Additional intermediate profile support	○
Roller conveyor on moving head	•
Fixed head conveyor	○
Spray saw cooling system	•
Saw blade travel digital speed adjustment	○
Saw blade travel speed adjustment	•
Slicing mode at 90°	•
Barcode printer	○
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Digital display for angular positioning of the head	○
Oz Machine Softcut (Cutting optimisation program)	○
Chip Drawer	Not Available

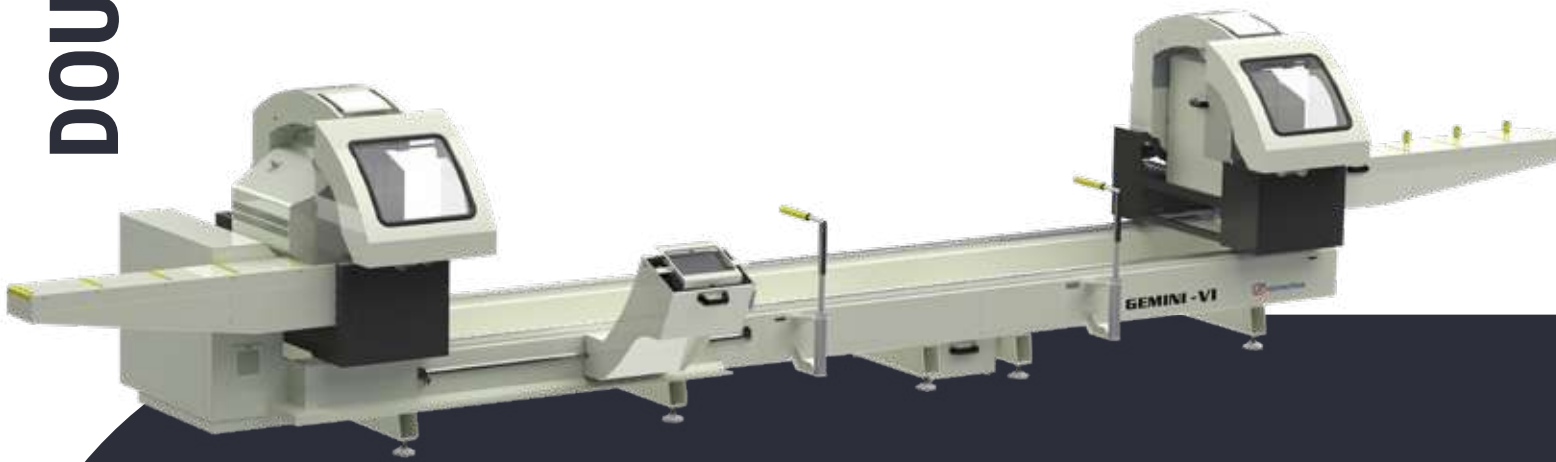
• Standard ○ Optional



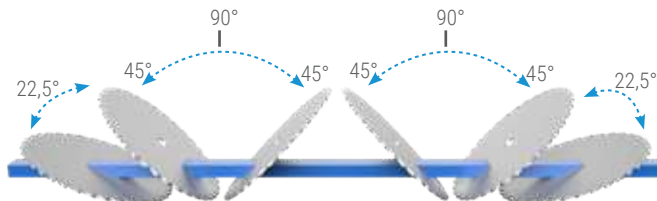
GEMINI VI

Double Head Front Blade Saw Ø 600 mm
Full Automation with 3 Axis Servo Control

DOUBLE HEAD



3 axis servo controlled double head front blade saw with 600 mm saw blades GEMINI – VI is ideal for cutting aluminum and PVC profiles in various angles and thickness. GEMINI – VI has been designed to cut wider profiles and provides rapid and automatic positioning of heads with servo control at any angles between -22.5° and 45° Double head GEMINI – VI enables simultaneous cutting of profile lengths from 480 mm to 5050 mm and eliminates barriers for cutting of 5050 mm and longer profiles. Safety is a topmost priority for GEMINI – VI together with the horizontal and vertical clamps along with profile support units which improve the cutting quality.



Technical Sheets

Features

AXIS TRAVEL

Servo controlled rotation axis of head	•
Rapid positioning of heads with servo control at any angles between	-22.5° and 45°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	480 / 720 mm
Maximum cutting length with double head (90°/45°)	5050 / 5050 mm
Maximum internal rotation angle	45°
Maximum external rotation angle	-22.5°

POSITIONING SPEED

X axis positioning speed	40 m/min
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AIR

Air Pressure	6 - 8 Bar
Air Consumption	95 L/min

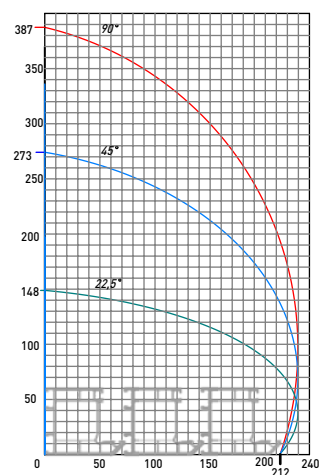
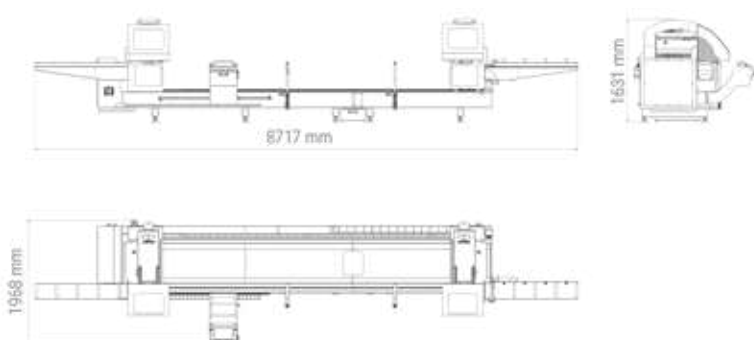
ELECTRICAL

Max. Power	9,1 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	600 mm
Saw blade motor power	3kW - 4HP
	•
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
	•
	2
	○
Roller conveyor on moving head	•
Fixed head conveyor	•
Spray saw cooling system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Angular slicing	•
Barcode writer	•
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Automatic chip extraction unit	○
Oz Machine Softcut (Cutting optimisation program)	○

• Standard ○ Optional



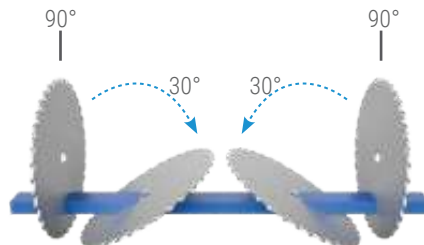
GEMINI X

Double Head Radial Saw Ø 550 mm - Full
Automation with 3 Axis Servo Control

DOUBLE HEAD



3 axis servo controlled radial double head radial saw GEMINI – X is ideal for cutting aluminum and PVC profiles in various angles and thickness. GEMINI – X is designed for cutting larger profiles. It provides rapid and automatic positioning of heads with servo control at any angles between 30° and 90°. Double head GEMINI - X enables simultaneous cutting of profile lengths from 460 mm to 6000 mm and eliminates barriers for cutting of 6000 mm and longer profiles. Safety is a topmost priority for GEMINI – X together with the horizontal and vertical clamps along with profile support units which improve the cutting quality.



Technical Sheets

Features

AXIS TRAVEL

Servo controlled rotation axis of head	•
Rapid positioning of heads with servo control at any angles between	30° and 90°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	460 / 460 mm
Maximum cutting length with double head (90°/45°)	6000 / 6000 mm
Maximum internal rotation angle	30°
Maximum external rotation angle	90°

POSITIONING SPEED

X axis positioning speed	40 m/min
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AIR

Pressure	6 - 8 Bar
Consumption	150 L/min

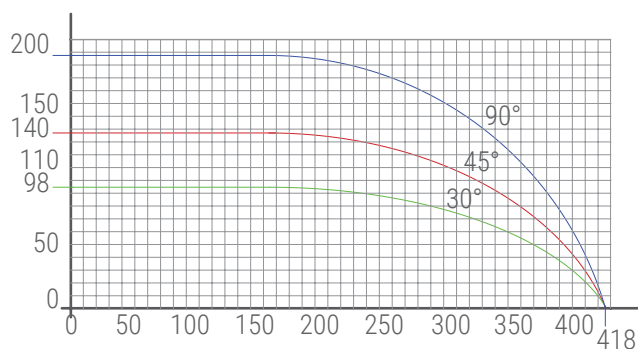
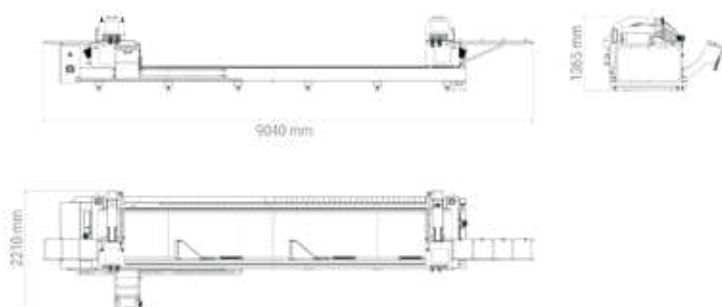
ELECTRICAL

Maximum power	9,1 kW
Voltage	400 V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	3
Roller conveyor on moving head	•
Fixed head conveyor	•
Spray saw cooling system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Slicing mode at 90°	•
Barcode printer	•
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Oz Machine Softcut (Cutting optimisation program)	○

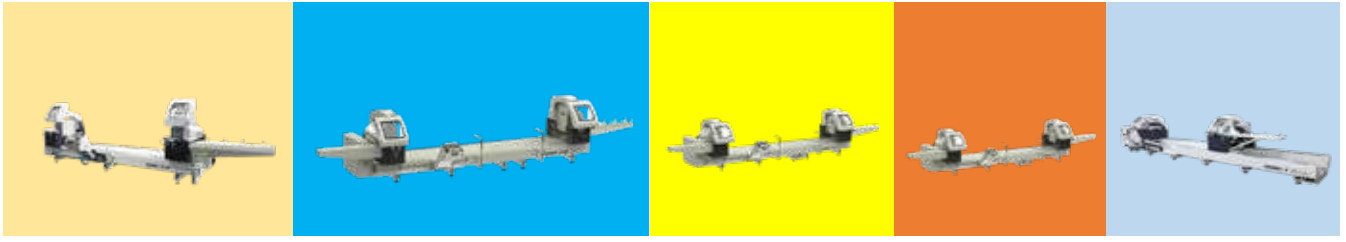
• Standard ○ Optional



COMPARISON TABLE



	GEMINI - II A	GEMINI - IV M
Material (Alm / Pvc / Wood)	✓	✓
Saw Diameter (mm)	Ø 400	Ø 450
Motor Power (kw)	2,2	2,2
Cutting Angle (°)	-45 / 45	90 / 45 (Internal Model) -45 / 90 (External Model)
X-Axis (Longitudinal) Movement	Automatic (Electronic Control)	Manual (Measurement Reading with Digital Display)
Angle Positioning	Manual	Hydropneumatic (90 / 45 or -45 / 90 one button automatic)
Positioning at Intermediate Angles	Manual	Manual
Min. with Double Head Cutting Size- 90/45 (mm)	610 / 610	560/560
Max. with Double Head Cutting Size - 90/45 (mm)	4550 / 4550	4040 / 4040
Optional Length Extension on X Axis	X	Opt.
Saw Speed Adjustment	✓	✓
Digital Adjustment of Saw Output Adjustment	X	X
Profile Intermediate Support	Manual (1 ad.)	Automatic (1 ad.)
Conveyor - Moving Head	X	✓
Conveyor - Fixed Head	X	Opt.
Spray Saw Cooling System	✓	✓
Barcode Printer	X	X
Oz Machine Softcut (Cutting optimization program)	X	X
Remote Network Connection, Ethernet and USB Data Transfer	X	✓



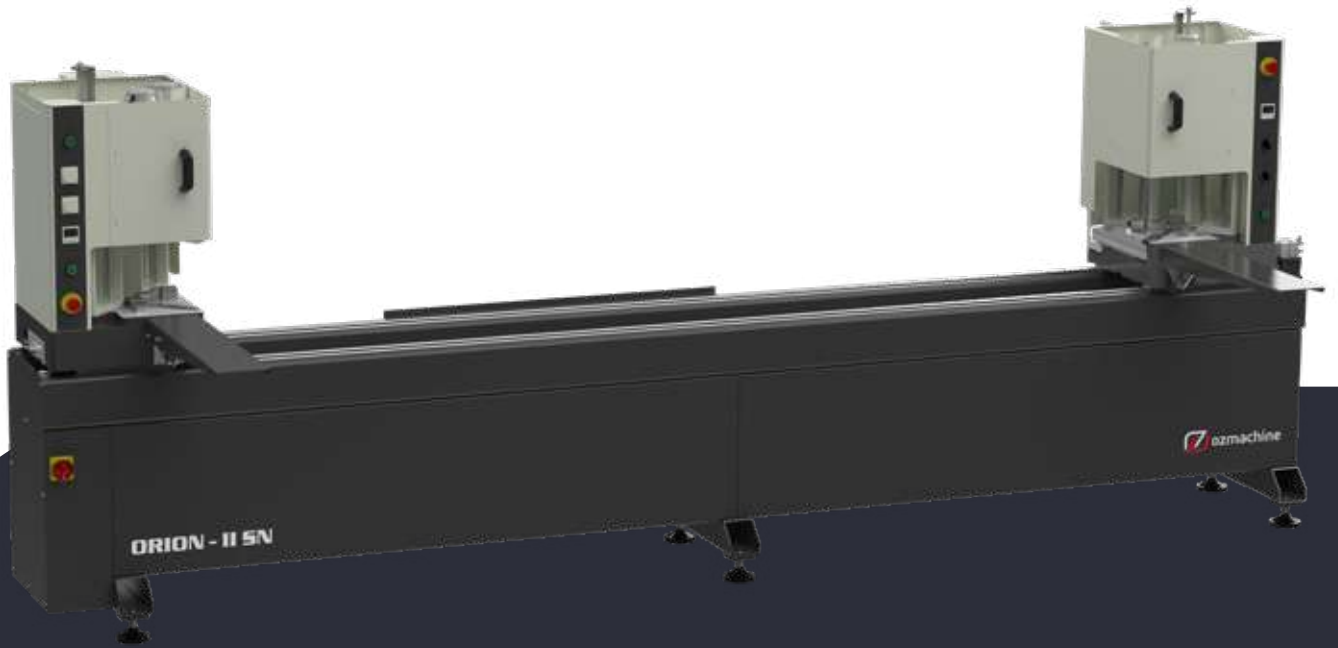
GEMINI - IV SA	GEMINI - V SA	GEMINI - V R	GEMINI - VI	GEMINI - X
✓	✓	✓	✓	✓
Ø 450	Ø 550	Ø 550	Ø 600	Ø 550
2,2	3	3	3	3
90 / 45 (Internal Model) -45 / 90 (External Model)	90 / 45 (Internal Model) -22,5 / -45 / 90 (External Model)	-22,5 / 45	-22,5 / 45	90 / 30
Automatic (Servo)	Automatic (Servo)	Automatic (Servo)	Automatic (Servo)	Automatic (Servo)
Hydropneumatic (90 / 45 or -45 / 90 one button automatic)	Hydropneumatic (90 / 45 or -45 / 90 one button automatic)	Automatic (Servo)	Automatic (Servo)	Automatic (Servo)
Manual	Manual	Automatic (Servo)	Automatic (Servo)	Automatic (Servo)
400 / 560	480 / 720	480 / 720	480 / 720	460 / 460
4040 / 4040	5050 / 5050	5050 / 5050	5050 / 5050	6000 / 6000
Opt.	Opt.	Opt.	Opt.	Opt.
✓	✓	✓	✓	✓
Opt.	Opt.	✓	✓	✓
Automatic (2 ad.)	Automatic (2 ad.)	Automatic (2 ad.)	Automatic (2 ad.)	Automatic (3 ad.)
✓	✓	✓	✓	✓
Opt.	Opt.	✓	✓	✓
✓	✓	✓	✓	✓
Opt.	Opt.	✓	✓	✓
Opt.	Opt.	Opt.	Opt.	Opt.
✓	✓	✓	✓	✓



ORION II SN

Automatic Double Head Seamless-Standard
PVC Welding Machine

DOUBLE HEAD



ORION - II SN which is automatic double head zero-normal PVC welding machine, is used for welding processes in various perspectives of plastic profiles. It can weld between 60° and 180° in one head. Through welding time, digital controlled heat and electronic thermostat, it enables to its users to weld between heat values of 0°C - 350°C



Technical Sheets

WELDING UNIT FRAME DIMENSIONS

Min. Frame Dimensions	385 mm x 385 mm
Max. Frame Dimensions	3400 mm x 3400 mm

WELDING UNIT PROFILE DIMENSIONS

Max. Profile Height	205 mm
Max. Profile Width	150 mm

ELECTRICAL

Max. Power	4.4 kW
Voltage / Ampere	230V / 22 A
Frequency	50-60 Hz

AIR

Pressure	6-8 Bar
Air Consumption	40 L / min







WELDING RANGE

Welding burr size	0.4 - 2 mm
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OPERATIONAL AREA

Pneumatic motion	•
Automatic process starting and finishing	•
Teflon (2 pcs)	•
Left and right profile support	•
Special mold	○

• Standard ○ Optional

										
kW	Hz	I (230 V)	a	b	x		c	Air Pressure	Air Consumption	l x w x h (mm)
					min.	max.				
4,4	50 60	22 A	150 mm (x: 90°)	205 mm	385 mm	3400 mm	0,4 - 2 mm	6 - 8 bar	40 L / min	4140 x 1450 x 1645 703 kg



CENTER



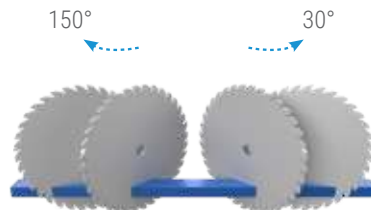
ALCOR I

CNC Profile Cutting Center (5 Servo Axis)

CENTER



The 5 servo axis CNC profile cutting center ALCOR - I is designed to cut profiles made of aluminum, PVC and all kinds of light alloy profiles. The cutting unit with a 550 mm diameter saw blade for cutting at every angle between 30° and 150° offers a wide cutting range to users. Thanks to the feeding capacity of 10 profiles, the conveyor structure enables batch processing, letting the machine to be used in the most efficient manner.



Technical Sheets

Features

AXIS TRAVEL

Z2 Axis (Cutting unit vertical movement)	260 mm
C2 Axis (Cutting unit rotation)	120°
XL Axis (Drive robot)	min. 700 mm / max. 7500 mm

POSITIONING SPEED

Z2 Axis (Cutting unit vertical movement)	42 m/min
C2 Axis (Cutting unit rotation)	166°/sec
XL Axis (Drive robot)	90 m/min

ELECTRICAL

Max. Power	6.75 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

CUTTING UNIT

Cutting angles span	30° / 150°
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP

LOADING AND UNLOADING UNIT

Minimum profile loading length	700 mm
Maximum profile loading length	7500 mm
Minimum profile unloading length (90° - 90°)	270 mm
Profile loading capacity	10
Automatic chip discharge conveyor unit	•

GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 150 mm
ZL Axis (Vertical) min. / max.	20 mm / 140 mm

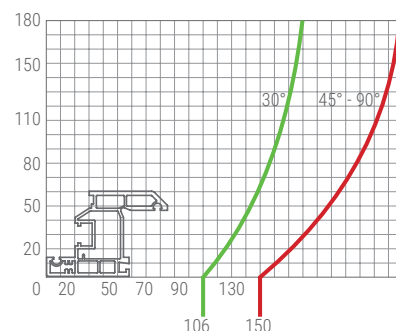
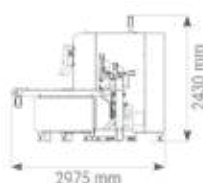
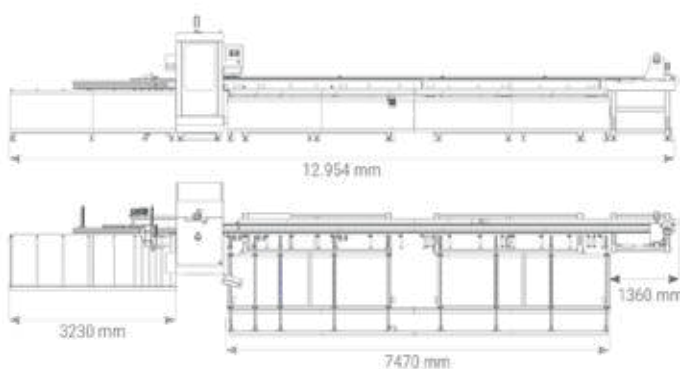
CONTROL UNIT

Industrial PC - Touch Screen	15"
LS automation package	•
Oz Machine Softcut	•
Data transfer over remote network connection, Ethernet and USB	•
Barcode writer	•
Compatibility with optimization programs	•
FANUC automation package	○

OPERATIONAL AREA

Automatic lubrication in processing area	•
Guard cabin for cutting area	•
FESTO pneumatic system	○
Air Tank	○

• Standard ○ Optional



ALCOR II C

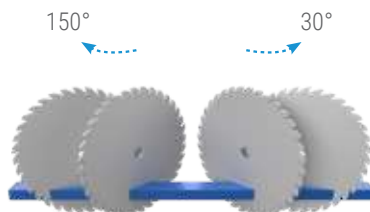
CNC Profil Machining and Cutting Center
(8 Servo Axis, 7 Machining Axis for Alu)

CENTER

Automation by
FANUC



The servo 8-axis CNC profile profile machining and cutting center ALCOR - II C has been developed to carry out all-inone cutting, milling, drain channel opening, punching and marking operations on profiles, and to perform special nonstandard operations (punching, channel opening etc.) on different profiles. Thanks to its individually operating units, ALCOR - II C has been designed to offer maximum efficiency in less time.



Technical Sheets

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Features



7 units of fan cooled spindle motors that can function and be positioned as different angles enables an unlimited operational capability on 4 surfaces of the profile.



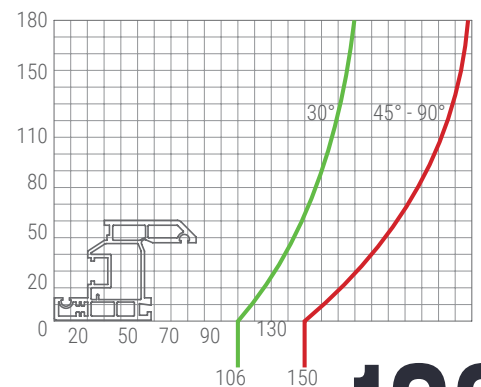
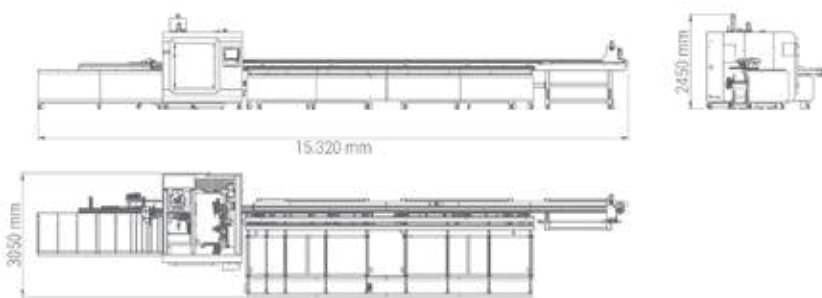
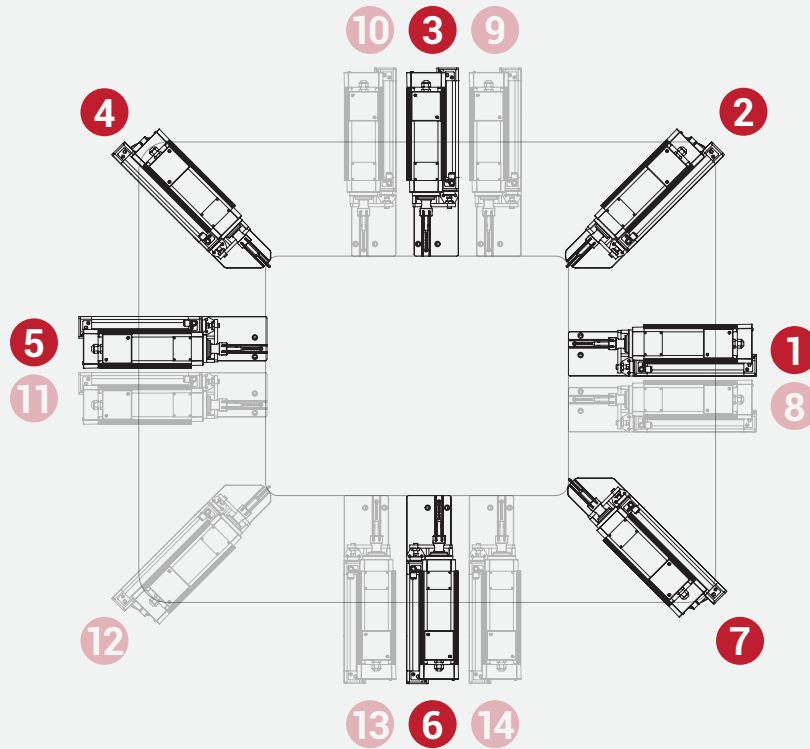
Thanks to the feeding capacity of 10 profiles, the conveyor structure enables batch processing, letting the machine to be used in the most efficient manner.



The cutting unit with a 550 mm diameter saw blade for cutting at every angle between 30° and 150° offers a wide cutting range to users.

CONFIGURABLE SPINDLES

ALCOR - II C has 7 spindle motors and can be configured within the 14 slots on the machine before leaving the factory.



ALCOR II C

CNC Profil Machining and Cutting Center
(8 Servo Axis, 7 Machining Axis for Alu)

POSITIONING SPEED

X1 Axis (Longitudinal)	40 m/min
Y1 Axis (Lateral)	60 m/min
Z1 Axis (Vertical)	60 m/min
Z2 Axis (Cutting unit vertical movement)	42 m/min
C2 Axis (Cutting unit rotation)	166°/sec
XL Axis (Drive robot)	90 m/min

AIR

Pressure	6-8 Bar
----------	---------

ELECTRICAL

Max. Power	31.35 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

CUTTING UNIT

Cutting angles span	30° / 150°
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP

MILLING UNIT

Fan cooling spindles	7
Spindle power	3 kW
Maximum speed	18.000 rpm
Tool holder	ER 20

LOADING AND UNLOADING UNIT

Minimum profile loading length	1200 mm
Maximum profile loading length	7500 mm
Minimum profile unloading length (90° - 90°)	270 mm
Profile loading capacity	10
Automatic chip discharge conveyor unit	•
Belt-driven profile discharge unit	○

GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 117 mm
ZL Axis (Vertical) min. / max.	20 mm / 115 mm

CONTROL UNIT

Industrial PC - Touch Screen	15"
Data transfer over remote network connection, Ethernet and USB	•
Barcode writer	•
Compatibility with optimization programs	•
Compatibility with CAM programs	○
Camquix CAM software	•

OPERATIONAL AREA

Automatic lubrication in processing area	•
Cabinet providing protection in processing zone	•
FESTO pneumatic system	○
Air Tank	○

• Standard ○ Optional



ALCOR II R

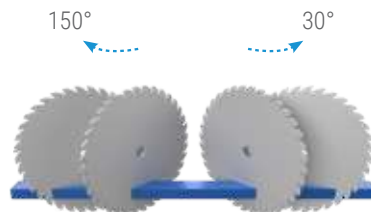
CNC Profile Machining and Cutting Center
(8 Servo Axis and 14 Machining Axis for PVC)

CENTER

Automation by
FANUC



The 8-servo axis CNC profile machining and cutting center ALCOR – II R has been developed to carry out all – in one cutting, milling drain channel opening, punching, and marking operations on PVC profiles. Thanks to its 14 standard machining and individual operating units, ALCOR – II R has been designed to offer maximum efficiency in less time.



Technical Sheets

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Features



Equipped with a high performance powertrain featuring 13 standard individually cooled spindle motors, a dedicated slot opening motor, and a separate saw blade motor, the ALCOR II R delivers unparalleled multitasking capabilities, enabling simultaneous execution of 15 operations and unrestricted processing across all four profile surfaces.



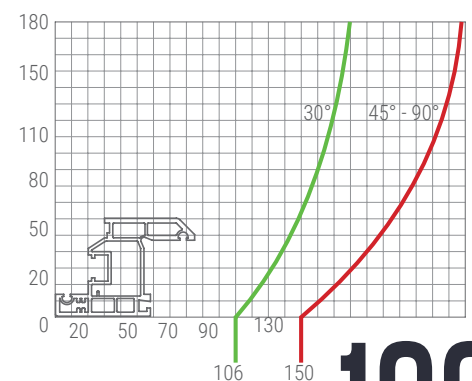
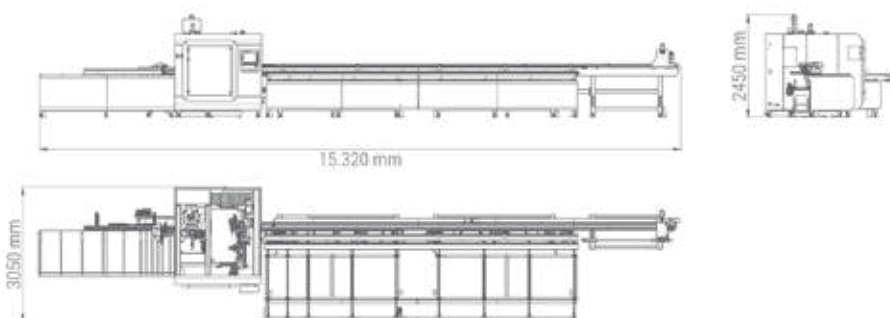
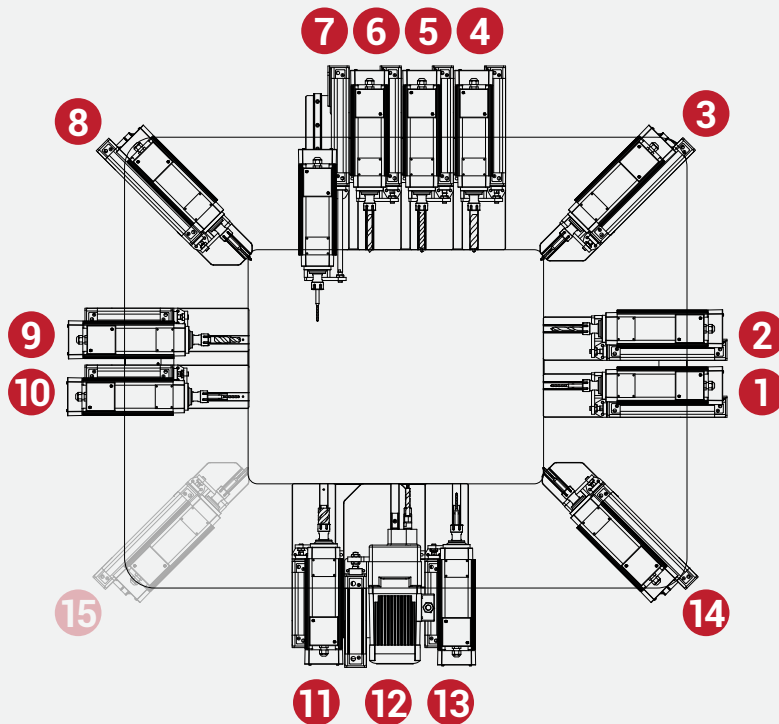
Equipped with a 10-profile feed conveyor, ALCOR - II R leverages batch processing technology for enhanced operational efficiency



Unlock a vast array of cutting possibilities with the unit's 550mm diameter saw blade, capable of tackling any angle between 30° and 150°. This expansive cutting range empowers users to maximize their creative and production potential.

CONFIGURABLE SPINDLES

- 13 Standard air cooled high speed spindle motors.
- Standard Triple Slot Drilling motor.
- Optional 14th spindle.
- All motors configurable before shipping at the factory.



ALCOR II R

CNC Profile Machining and Cutting Center
(8 Servo Axis and 14 Machining Axis for PVC)

POSITIONING SPEED

X1 Axis (Longitudinal)	40 m/min
Y1 Axis (Lateral)	60 m/min
Z1 Axis (Vertical)	60 m/min
Z2 Axis (Cutting unit vertical movement)	42 m/min
C2 Axis (Cutting unit rotation)	166°/sec
XL Axis (Drive robot)	90 m/min

AIR

Pressure	6-8 Bar
----------	---------

ELECTRICAL

Max. Power	50.45 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

CUTTING UNIT

Cutting angles span	30° / 150°
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP

MILLING UNIT

Fan cooling spindles	13
Max. Power	1.1 kW
Maximum speed	18.000 rpm
Tool holder	ER 20
Special design motor for 3ple grip slot drilling	1
Max. Power / speed	0.75 kW / 3000 rpm
Drill diameters	10 mm / 12 mm / 10 mm
Maximum number of machining units	14

LOADING AND UNLOADING UNIT

Minimum profile loading length	1200 mm
Maximum profile loading length	7500 mm
Minimum profile unloading length (90° - 90°)	270 mm
Profile loading capacity	10
Automatic chip discharge conveyor unit	•
Belt-driven profile discharge unit	○

GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 117 mm
ZL Axis (Vertical) min. / max.	20 mm / 115 mm

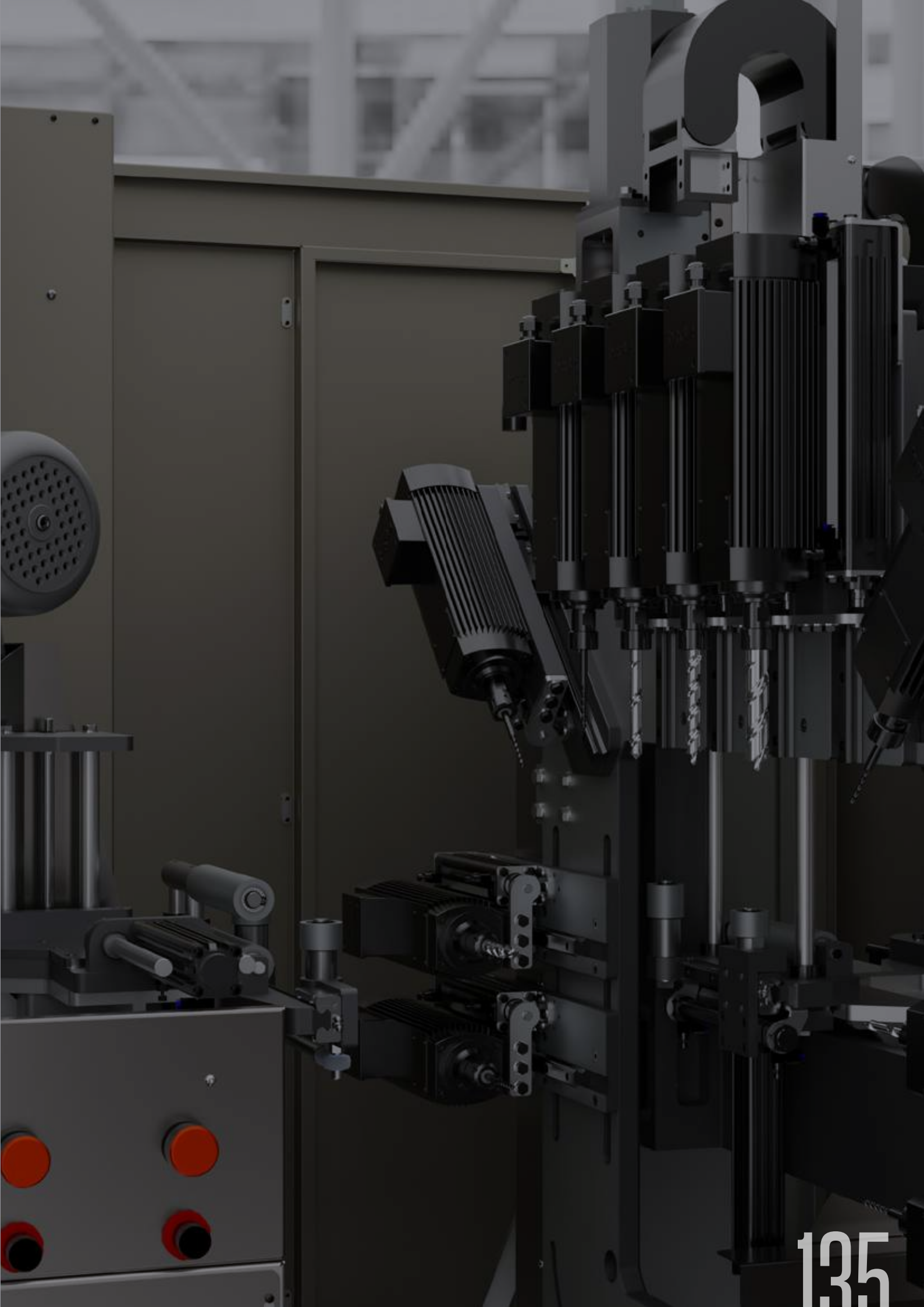
CONTROL UNIT

Industrial PC - Touch Screen	15"
Data transfer over remote network connection, Ethernet and USB	•
Barcode writer	•
Compatibility with optimization programs	•

OPERATIONAL AREA

Automatic lubrication in processing area	•
Cabinet providing protection in processing zone	•
FESTO pneumatic system	○
Air Tank	○

• Standard ○ Optional



ALCOR IV

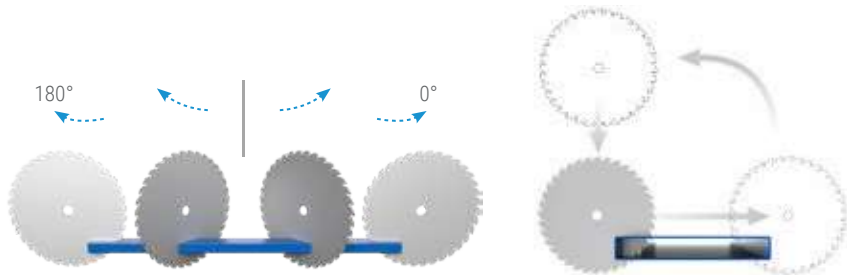
CNC Profile Machining and Cutting Center
(11 Servo Axis)

CENTER

Automation by
FANUC



ALCOR - IV has been developed to perform cutting, surface treatment and notching operations of wide aluminum and PVC profiles. ALCOR - IV is designed to achieve the highest efficiency in the least amount of time with its units that can operate independently of each other.



Technical Sheets

Features



8 fan-cooled spindle motors which can operate at different angles, offer unlimited processing on 4 surfaces of the profile.



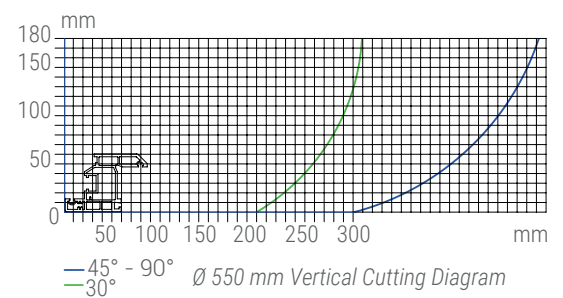
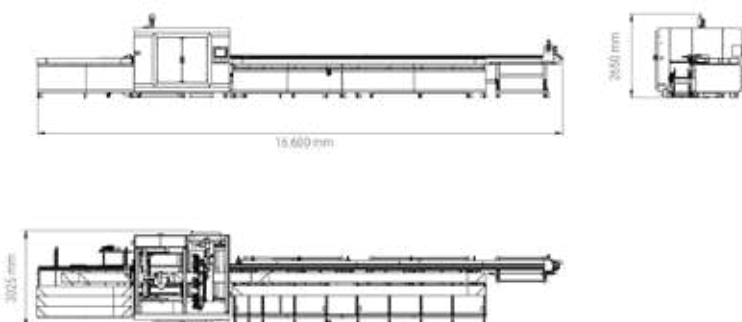
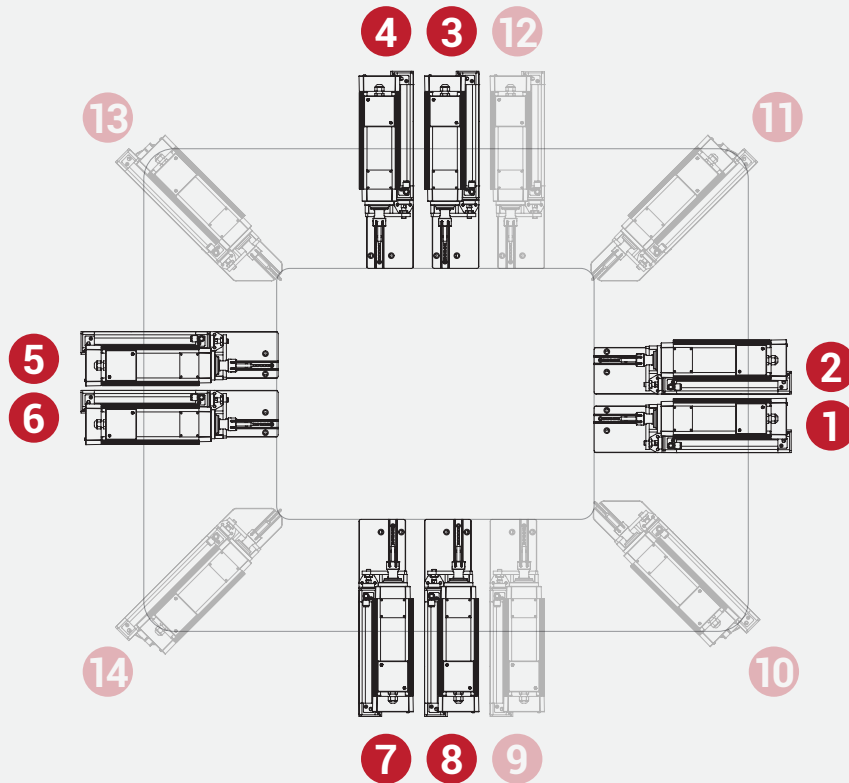
Conveyor with 4 profile feeding capacity ensures the machine to work in the most efficient way.



550 mm diameter saw that can cut at any angle between 0° and 180° thanks to its 4-axis movement capability, the saw allows cutting and end-milling operations of profiles up to 300 mm wide.

CONFIGURABLE SPINDLES

ALCOR - IV has 8 spindle motors and can be configured within the 14 slots on the machine before leaving the factory.



ALCOR IV

CNC Profile Machining and Cutting Center
(11 Servo Axis)



GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 150 mm
ZL Axis (Vertical) min. / max.	20 mm / 140 mm

LOADING AND UNLOADING UNIT

Minimum profile loading length	1200 mm
Maximum profile loading length	8000 mm
Profile loading capacity	4
Automatic chip discharge conveyor unit	•

POSITIONING SPEED

X1 Axis (Processing Area Longitudinal)	40 m/min
Y1 Axis (Processing Area Horizontal)	40 m/min
Z1 Axis (Processing Area Vertical)	40 m/min
X2 Axis (Cutting Unit Longitudinal)	40 m/min
Y2 Axis (Cutting Unit Horizontal)	40 m/min
Z2 Axis (Cutting Unit Vertical Movement)	42 m/min
C Axis (Cutting Unit Horizontal Rotation Movement)	166°/sec.
U Axis (Cutting Unit Movable Clamp)	40 m/min
XL Axis (Drive robot)	90 m/min
YL Axis (Gripper Y)	20 m/min
ZL Axis (Gripper Z)	20 m/min

AIR - ELECTRIC

Pressure	6-8 Bar
Maximum power	43 kW
Ampere	117 A

CUTTING UNIT

Saw blade diameter	550 mm
Maximum profile cutting dimensions at 90° (width / height)	300/180
Saw blade motor power	3 kW

MILLING UNIT

Fan cooling spindles	8
Additional Fan Cooled Spindles (max. 5 pcs.)	○
Maximum power	3 kW
Maximum speed	18000
Tool holder	ER 20

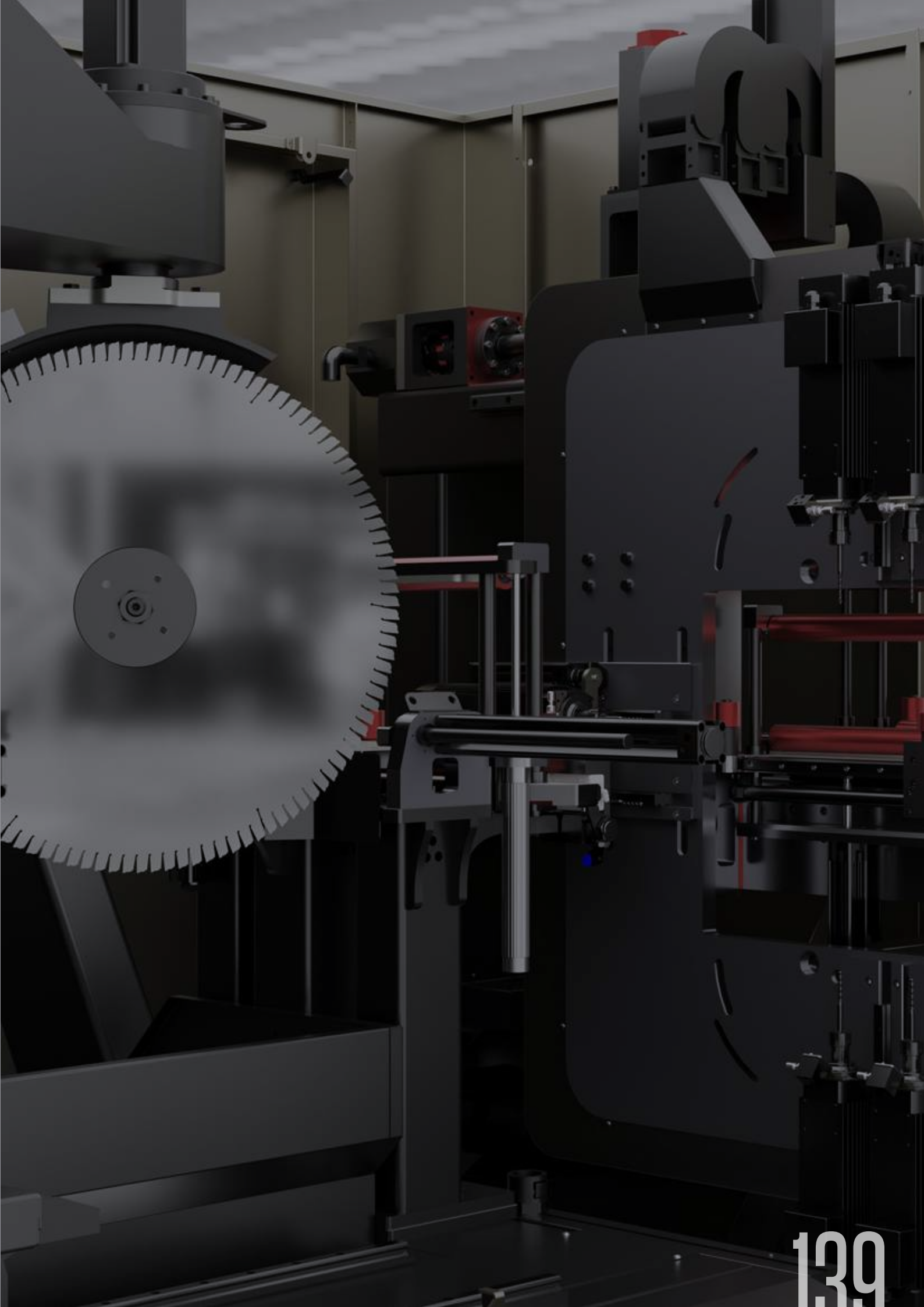
CONTROL UNIT

Industrial PC - Touchscreen	15"
Data transfer via remote network connection, Ethernet and USB	•
Barcode writer	•
Compatibility with optimization programs	•
Compatibility with CAM programs	○
Camquix CAM software	•

OPERATIONAL AREA

Automatic lubrication in processing area	•
Guard cabin for machining area	•
FESTO pneumatic system	○
Air Tank	○

• Standard ○ Optional



ALCOR V

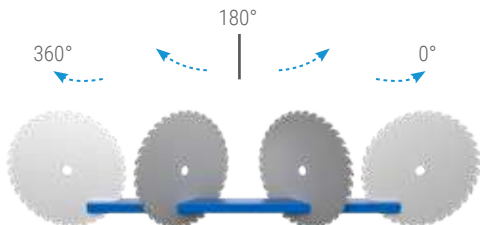
CNC Profile Machining and Cutting Center
(12 Servo Axis)

CENTER

Automation by
FANUC



ALCOR - V has been developed to perform cutting, surface treatment and end milling operations of wide aluminum and PVC profiles. ALCOR - V is designed to achieve the highest efficiency in the least amount of time with its units that can operate independently of each other.



Technical Sheets

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Features



8 fan-cooled spindle motors which can operate at different angles, offer unlimited processing on 4 surfaces of the profile.



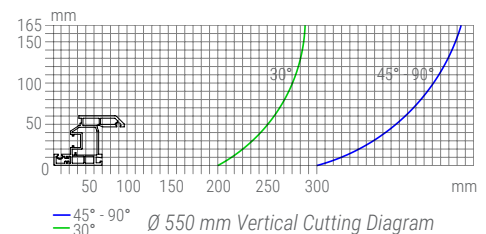
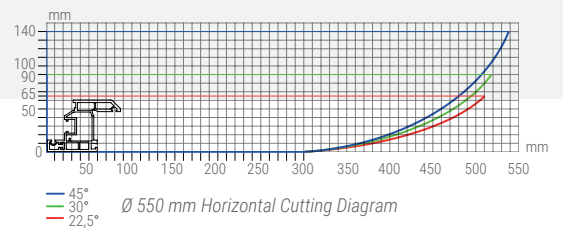
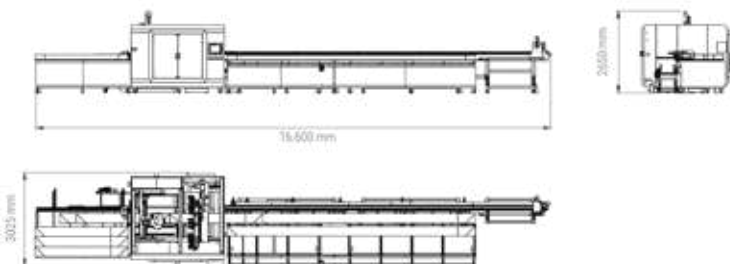
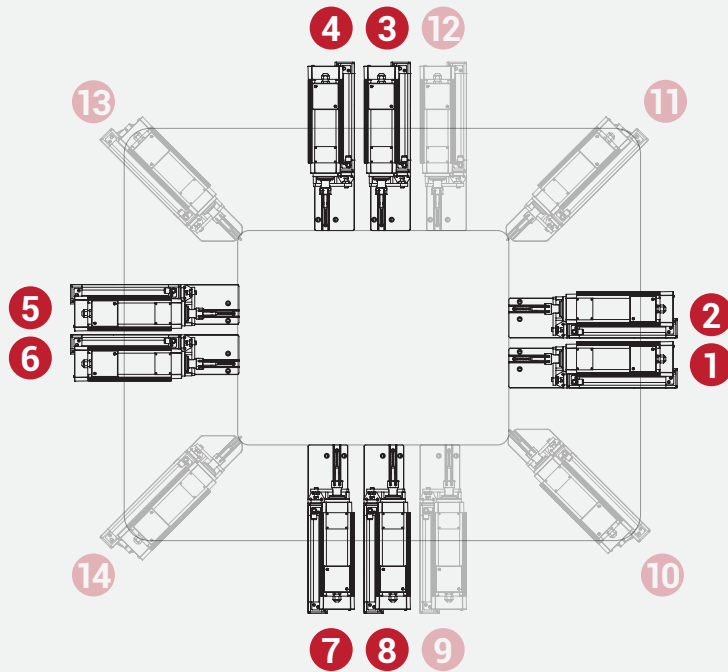
Conveyor with 4 profile feeding capacity ensures the machine to work in the most efficient way.



550 mm diameter saw that can cut at any angle between 0° and 180° thanks to its 5-axis movement capability, the saw allows cutting and end-milling operations of profiles up to 300 mm wide.

CONFIGURABLE SPINDLES

ALCOR - V has 8 spindle motors and can be configured within the 14 slots on the machine before leaving the factory.



CNC Profile Machining and Cutting Center (12 Servo Axis)

GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 150 mm
ZL Axis (Vertical) min. / max.	20 mm / 140 mm

LOADING AND UNLOADING UNIT

Minimum profile loading length	1200 mm
Maximum profile loading length	8000 mm
Profile loading capacity	4
Automatic chip discharge conveyor unit	•

POSITIONING SPEED

X1 Axis (Processing Area Longitudinal)	40 m/min
Y1 Axis (Processing Area Horizontal)	40 m/min
Z1 Axis (Processing Area Vertical)	40 m/min
X2 Axis (Cutting Unit Longitudinal)	40 m/min
Y2 Axis (Cutting Unit Horizontal)	40 m/min
Z2 Axis (Cutting Unit Vertical Movement)	42 m/min
C Axis (Cutting Unit Horizontal Rotation Movement)	166°/sec.
A Axis (Cutting Unit Vertical Rotation Movement)	166°/sec.
U Axis (Cutting Unit Movable Clamp)	40 m/min
XL Axis (Drive robot)	90 m/min
YL Axis (Gripper Y)	20 m/min
ZL Axis (Gripper Z)	20 m/min

AIR - ELECTRIC

Pressure	6-8 Bar
Maximum power	43,5 kW
Ampere	122 A

CUTTING UNIT

Saw blade diameter	550 mm
Maximum profile cutting dimensions at 90° (width / height)	300/165
Saw blade motor power	3 kW

MILLING UNIT

Fan cooling spindles	8
Additional Fan Cooled Spindles (max. 5 pcs.)	○
Maximum power	3 kW
Maximum speed	18000
Tool holder	ER 20

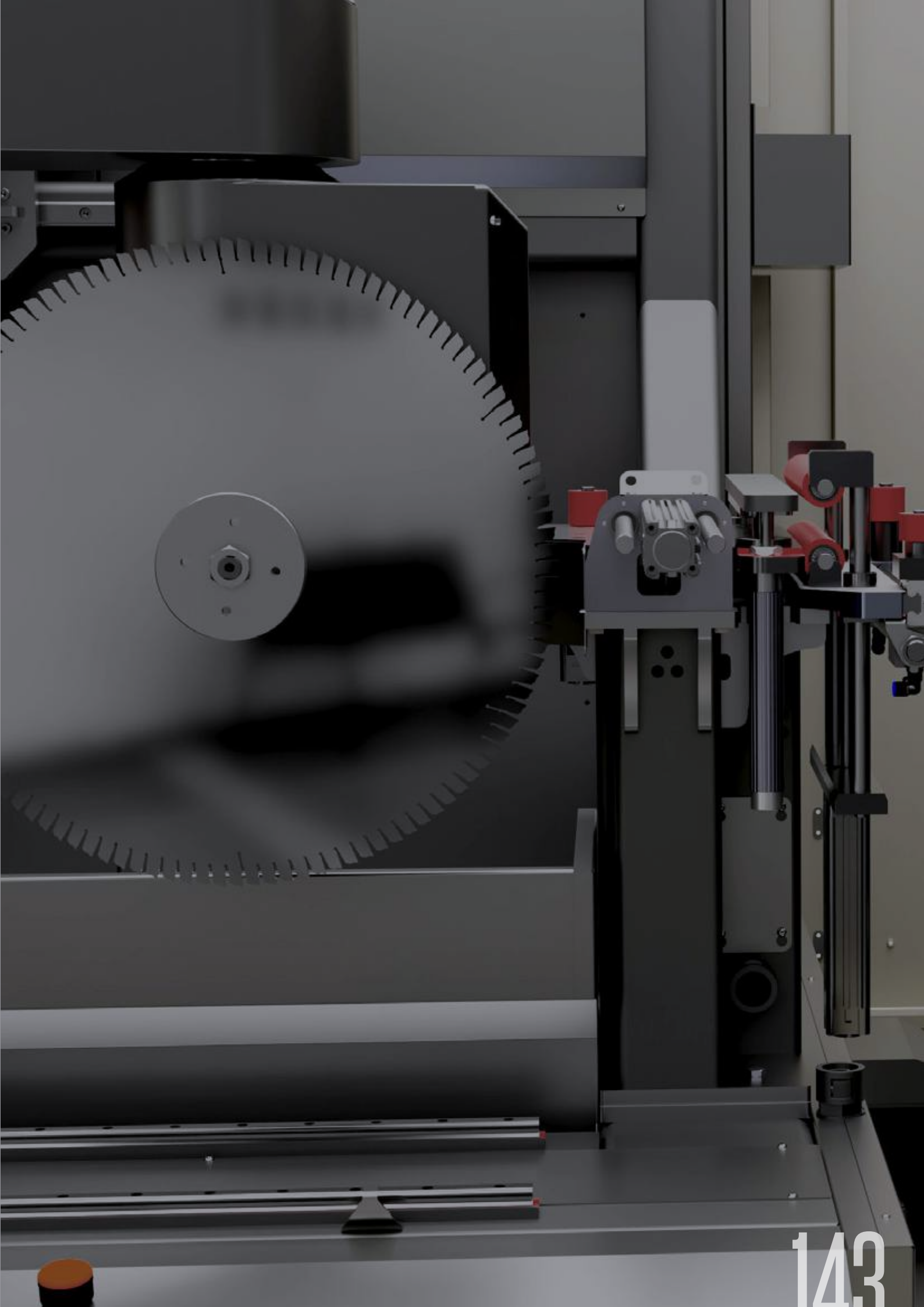
CONTROL UNIT

Industrial PC - Touchscreen	15"
Data transfer via remote network connection, Ethernet and USB	•
Barcode writer	•
Compatibility with optimization programs	•
Compatibility with CAM programs	○
Camquix CAM software	•

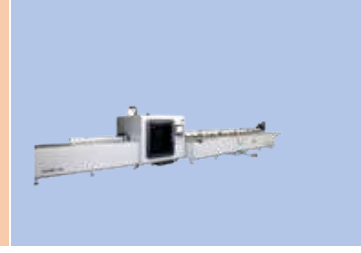
OPERATIONAL AREA

Automatic lubrication in processing area	•
Guard cabin for machining area	•
FESTO pneumatic system	○
Air Tank	○

• Standard ○ Optional



COMPARISON TABLE



	ALCOR - I	ALCOR - II R
Material (Alm / Pvc)	Alm / Pvc	Pvc
Function of the Machine	Cutting	Cutting + Machining
Axis (piece)	5 (5 Axis Servo)	8 (8 Axis Servo)
Radial Cutting	X	X
Saw Diameter (mm)	Ø 550	Ø 550
Saw Motor Power (kw)	3	3
Saw rotation speed (rpm)	3000	3000
Cutting Angle (°) - Vertical Rotation	30° / 150°	30° / 150°
Cutting Angle (°) - Horizontal Rotation	X	X
Max. Profile Loading Length (mm)	7.500	7.500
Min. Profile Loading Length (mm)	700	1200
Min.Profile Unloading Length - 90°/90° (mm)	270	270
Profile Loading Capacity (Piece)	10	10
Fan Cooling Spindle Motor (Piece)	X	13
Fan Cooling Spindle Motor Power (kw)	X	3
Fan Cooling Spindle Motor Rotation Speed (rpm)	X	18.000
Tool Holder	X	ER 20
3ple grip slot drilling	X	✓
Profile Vertical Cutting and Machining Width (45° ve 90°) - Min. / Max. (mm)	30 / 150	30 / 150
Profile Vertical Cutting and Machining Height (45° ve 90°) - Min. / Max. (mm)	30 / 180	30 / 180
Profile Horizontal Cutting Width (45°) - Min./ Max. (mm)	X	X
Profile Horizontal Cutting Height (45°) - Min./ Max. (mm)	X	X
Gripper Axis Travel - Lateral Min./ Max. (mm)	20 / 117	20 / 117
Gripper Axis Travel - Vertical Min./ Max. (mm)	20 / 115	20 / 115
Automation System	Ls (Fanuc ops.)	Fanuc
Automation Software	OZ Machine Soft Cut	Compatibility with optimization programs
Compabbility with optimization programs	✓	✓



ALCOR - II C	ALCOR - IV	ALCOR - V
Alm	Alm / Pvc	Alm / Pvc
Cutting + Machining	Cutting + Machining	Cutting + Machining
8 (8 Axis Servo)	11 (11 Axis Servo)	12 (12 Axis Servo)
X	✓	✓
Ø 550	Ø 550	Ø 550
3	3	3
3000	3000	3000
30° / 150°	0° / 180°	0° / 360°
X	X	0° / 180°
7.500	8.000	8.000
1200	1200	1200
270	400	400
10	4	4
7	8	8
3	3	3
18.000	18.000	18.000
ER 20	ER 20	ER 20
X	X	X
30 / 150	30 / 300	30 / 300
30 / 180	30 / 180	30 / 165
X	X	30 / 300
X	X	30 / 140
20 / 117	20 / 150	20 / 150
20 / 115	20 / 140	20 / 140
Fanuc	Fanuc	Fanuc
Camquix (CAM Software) CadXtract (ops.)	Camquix (CAM Software) CadXtract (ops.)	Camquix (CAM Sof ware) CadXtract (ops.)
✓	✓	✓

APEX IV

Automatic Hydraulic Four Head Aluminum
Corner Crimping Machine

CENTER



APEX - IV features simultaneous assembling of all 4 corners of the profile by combining the precision of servo positioning and power of hydraulic system to offer quick solutions to users. APEX - IV enables a seamless corner assembling process by minimizing user errors thanks to the two-stage hydraulic pressure system.



Technical Sheets

PROFILE SIZES

Minimum profile length	500 mm (vertical) - 500 mm (horizontal)
Maximum profile length	2000 mm (vertical) – 3400 mm (horizontal)

CRIMPING BLADES

Travel distance	40 mm
Distance between blades	100 mm
5 mm crimping blade set	8 pcs
7 mm crimping blade set	8 pcs

POSITIONING SPEED

X Axis (Longitudinal)	15 m/min
Y Axis (Lateral)	15 m/min

ELECTRICAL

Maximum power	8.4 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

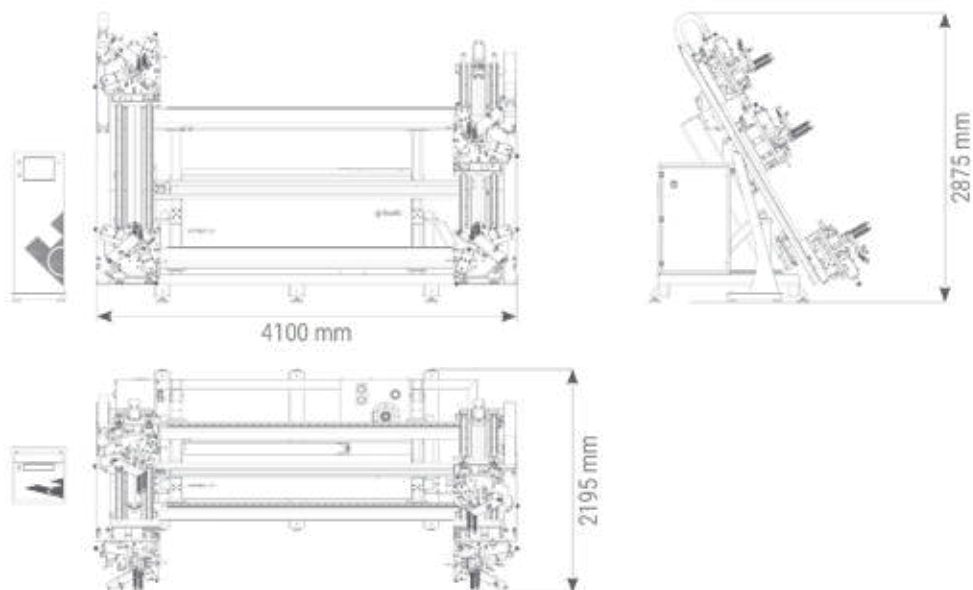
AIR

Pressure	6-8 Bar
Air consumption	60,8 L/min

OPERATIONAL AREA

Safe working area with safety barrier	●
12" Touchscreen	●
Crimping set for custom profiles	○
Barcode reader	○

● Standard ○ Optional

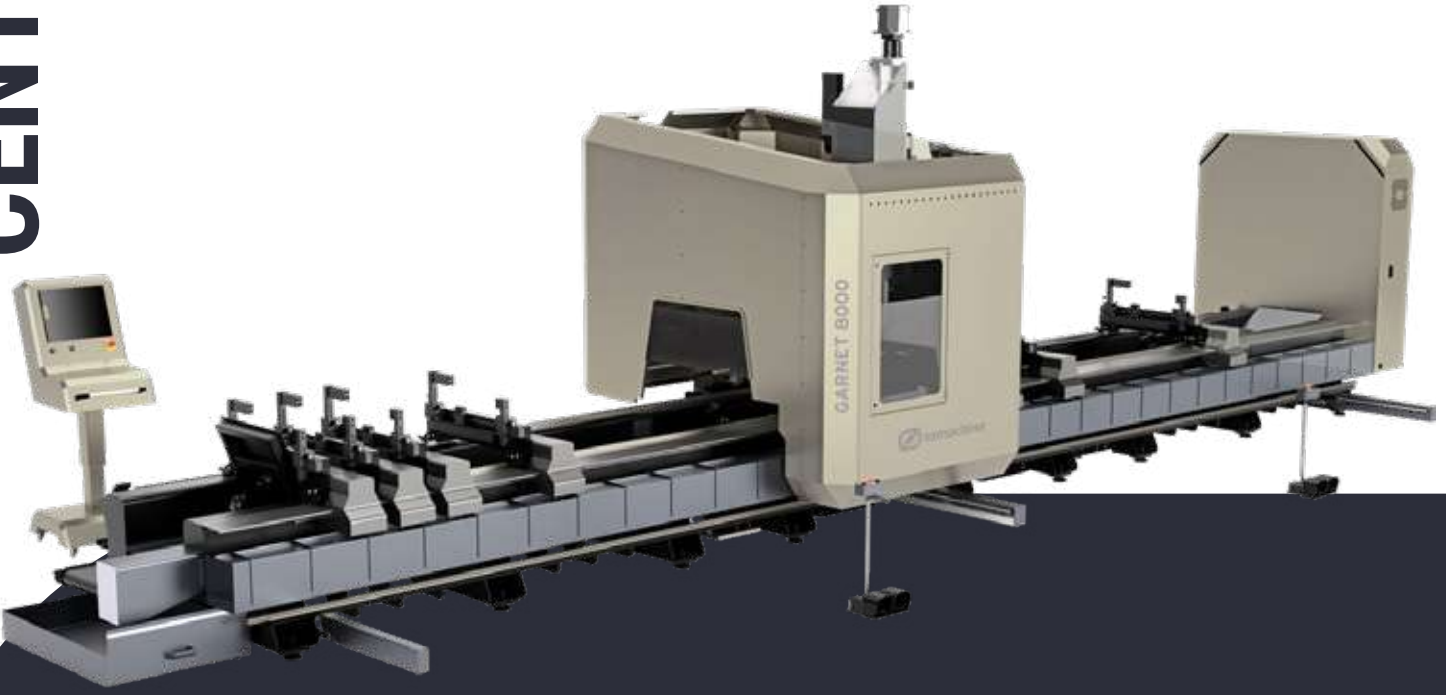


GARNET 8000

CNC Profile Machining Center (4 Axis)

CENTER

Automation by
FANUC



The GARNET, a 4-axis CNC profile machining center, tackles a wide range of aluminum [PVC, light alloy and even steel] profile sizes with its versatile spindle, enabling machining at any angle between -90° and $+90^{\circ}$. This all-in-one solution streamlines milling, drainage channel opening, punching, marking, and end milling operations on diverse profiles. Furthermore, it excels at non-standard tasks, maximizing its user appeal. The generous working area of 580 mm x 290 mm further enhances user experience by facilitating efficient processing.



Technical Sheets

Features



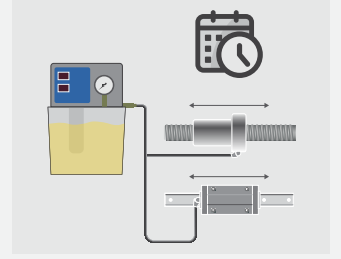
By focusing on providing convenient solutions for customers and combining power and precision, the processing capacity is only limited by the users imagination, thanks to the 8 kW spindle motor with automatic tool replacement feature.



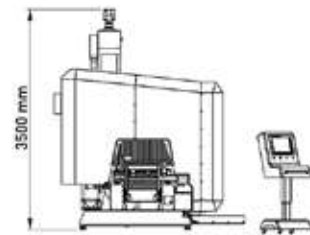
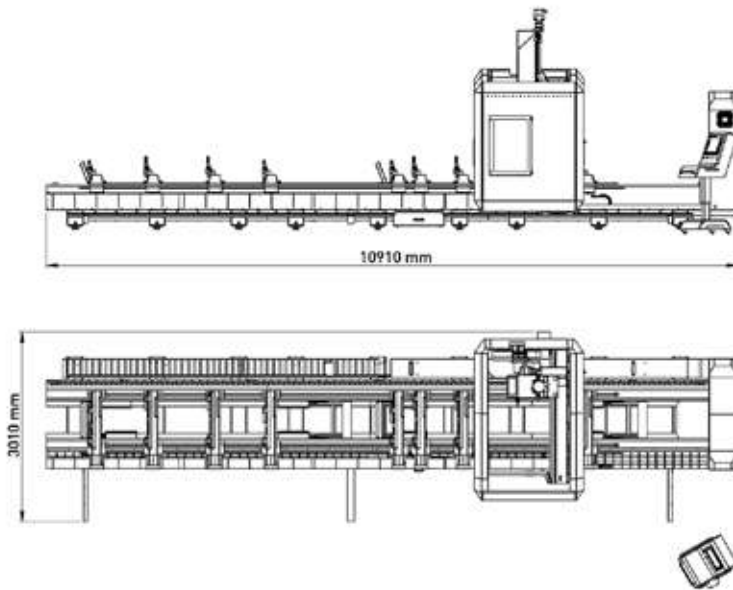
High speed rates on axes and internal automatic tool replacement magazine which moves with gantry for 20 tools allow for time savings when running different processes which require tool replacement.



With full automatic clamp positioning, GARNET automates many tasks assuming the work load of the user.



Maintenance of transmission elements is accomplished by the automatic lubrication system which is offered as an optional feature increasing the service life for accuracy in processes. Capacity may be varied for processing of non-standard profiles with on demand optimization of size and number of clamps.



GARNET 8000

CNC Profile Machining Center (4 Axis)

MACHINING LENGTHS

X Axis (Longitudinal)	8000 mm
Y Axis (Lateral)	580 mm
Z Axis (Vertical)	290 mm
A Axis (Head processing angles)	-90° / +90°
Optional length on X axis	o

POSITIONING SPEED

X Axis (Longitudinal)	84 m/min
Y Axis (Lateral)	75 m/min
Z Axis (Vertical)	40 m/min
A Axis (Rotational Movement)	100° /sec

AIR

Pressure	6-8 Bar
----------	---------

ELECTRICAL

Maximum power	18.3 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

SPINDLE

Maximum power	8 kW
Maximum rotation speed	24.000 rpm
Tool holder	ISO 30
Cooling type	Elektric Fan

TOOL STORAGE

Tool storage system with umbrella ATC	•
Maximum tool storage system number with umbrella ATC	20
Maximum saw blade diameter in to the storage system	180 mm
Automatic Tools Measuring	•

TAPPING CAPACITY

Compressed tapping head	M8
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PROFILE POSITIONING

Right and left pneumatic profile reference alignment (with 4 station processing capability)	•
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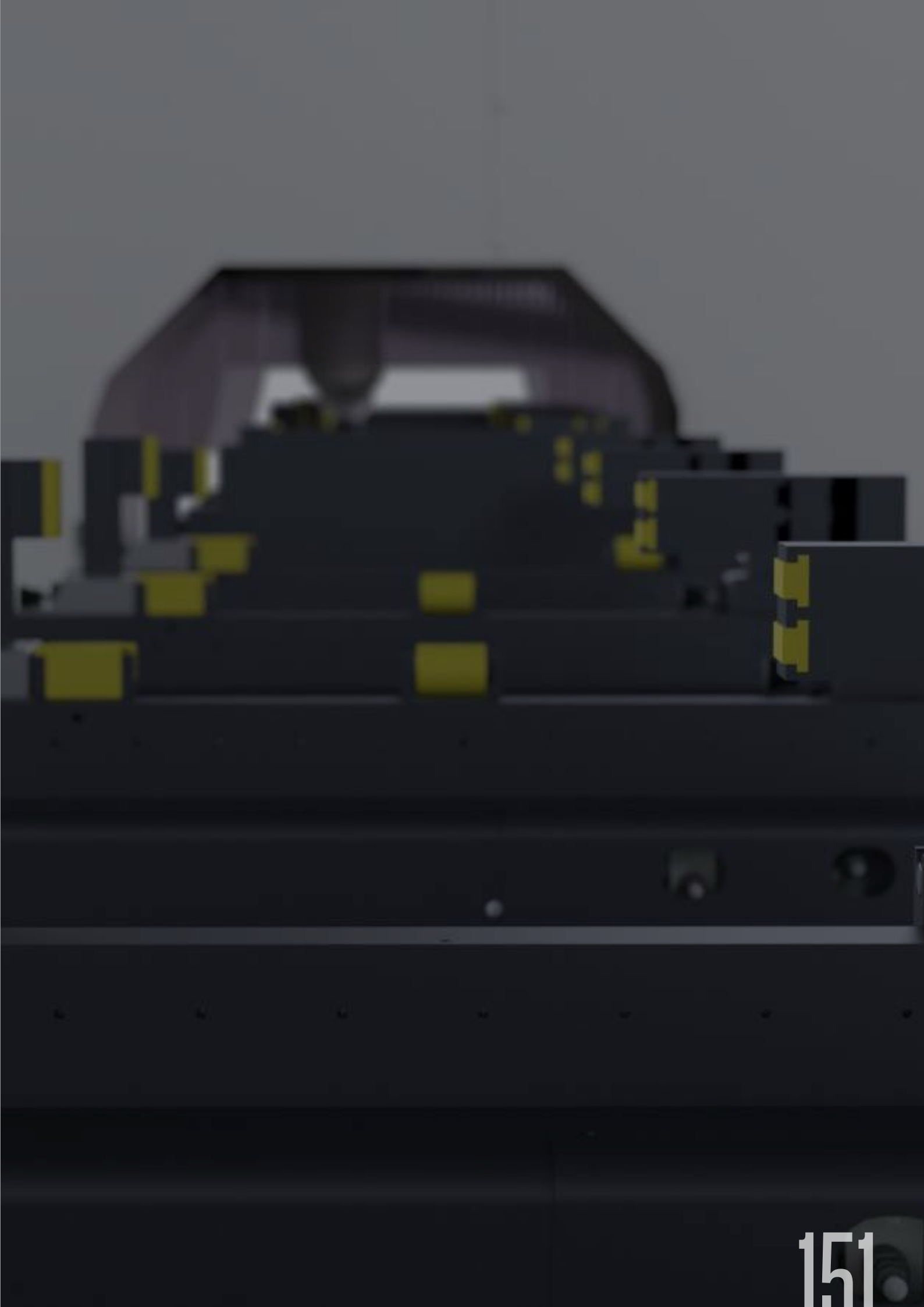
CONTROL UNIT

Industrial PC - Touchscreen	15"
Data transfer via remote network connection, Ethernet and USB	•
Barcode reader	•
Camquix CAM program	•
CadXtract CAD-CAM Production program	o

OPERATIONAL AREA

Steel Profile Machining Thickness	5 mm
Clamps, standard quantity	8
Clamps, maximum quantity	10
Servo-controlled automatic clamp positioning system	o
Automatic clamp positioning with the X-axis	•
Automatic lubrication in processing area	•
Guard cabin for machining area	•
Safety barrier	•
Automatic lubrication system	o
Automatic sawdust discharge unit (8 m)	o
FESTO pneumatic system	o

• Standard o Optional

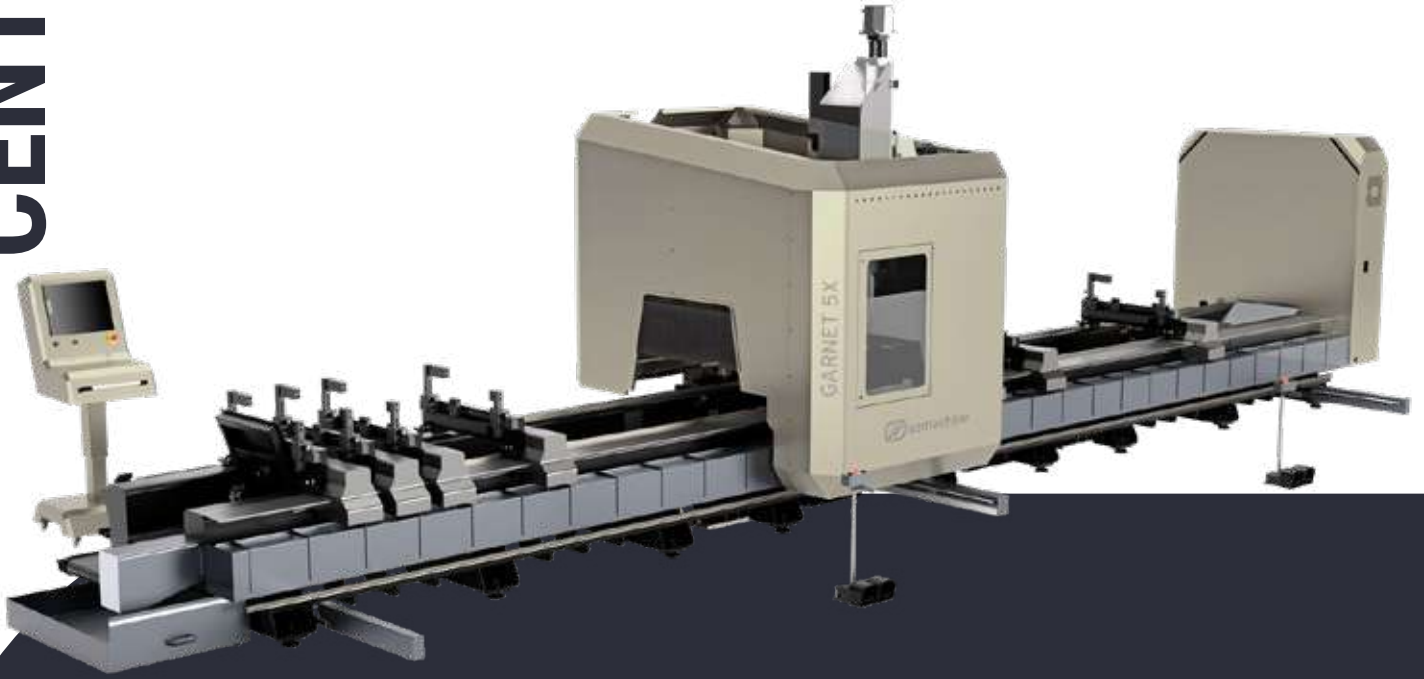


GARNET 5X

CNC Profile Machining Center (5 Axis)

CENTER

Automation by
FANUC



The GARNET 5X, a 5-axis CNC machining center, empowers a wide range of users by efficiently processing aluminum [PVC, light alloy and even steel] profiles of various sizes. Its spindle allows for multi-angle machining between 0° and 360° on the C-axis and 0° to 180° on the A-axis. Designed for versatility, it tackles non-standard operations on diverse profiles, including cutting, drainage channel opening, drilling, marking, and notching – all in a single setup. This multi-functionality is complemented by a generous working area of 515 mm x 370 mm, boosting user productivity.



Technical Sheets

Features



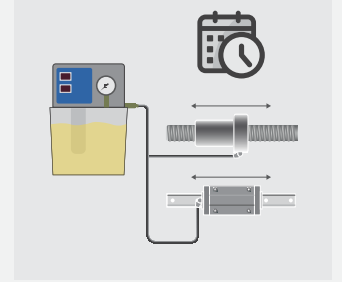
By focusing on providing convenient solutions for customers, and combining power and precision, GARNET 5X lets the processing capacity be only limited by the users imagination, thanks to the 11 kW spindle motor with automatic tool replacement feature.



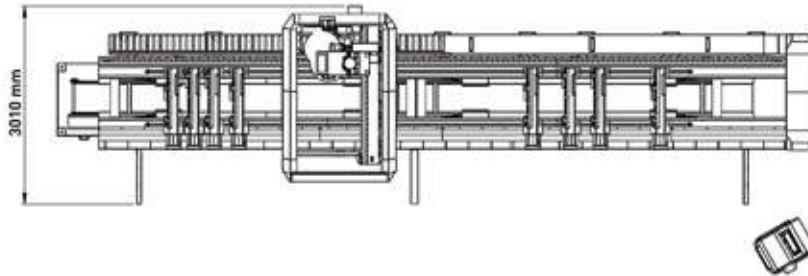
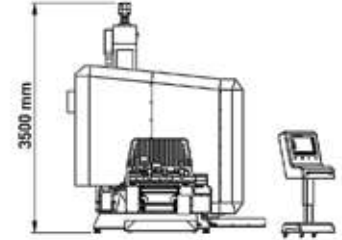
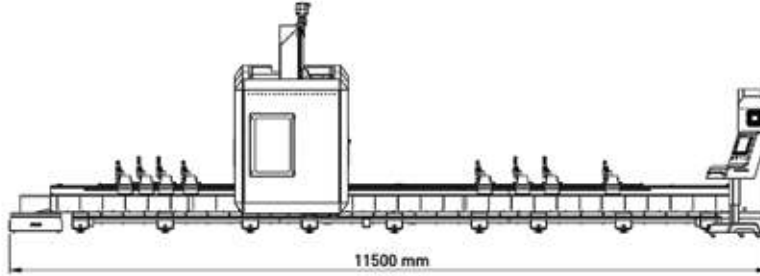
High speed rates on axes and internal automatic tool replacement magazine which moves with gantry for 20+1 tools allow for time savings when running different processes which require tool replacement.



With full automatic clamp positioning, GARNET 5X automates many tasks assuming the work load of the user.



Maintenance of transmission elements is accomplished by the automatic lubrication system which is offered as an optional feature increasing the service life for accuracy in processes. Capacity may be varied for processing of non-standard profiles with on demand optimization of size and number of clamps.



GARNET 5X

CNC Profile Machining Center (5 Axis)

MACHINING LENGTHS

X Axis (Longitudinal)	8000 mm
Y Axis (Lateral)	515 mm (Tool length 50 mm from the collet)
Z Axis (Vertical)	370 mm (Tool length 50 mm from the collet)
A Axis (Head processing angles)	-90° / +90°
C Axis (Head rotation movement)	0° / 360°
Optional length on X-axis	o

POSITIONING SPEED

X Axis (Longitudinal)	84 m/min
Y Axis (Lateral)	75 m/min
Z Axis (Vertical)	40 m/min
A Axis (Rotational Movement)	100° /sec
C Axis (Rotation movement)	100° /sec

AIR

Pressure	6-8 Bar
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ELECTRICAL

Max. Power	17 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

SPINDLE

Max. Power	11 kW
Maximum rotation speed	24.000 rpm
Tool holder	HSK F63
Cooling type	Liquid

TOOL STORAGE

Automatic umbrella typed set magazine system	•
Attributable maximum set number - Umbrella type	20+1
Maximum saw blade diameter in to the storage system	400 mm
Automatic Tools Measuring	•

SCREW-CUTTING CAPACITY

Tapping with adapter	M8
----------------------	----

PROFILE POSITIONING

Right and left one with pneumatic movement, two alignment bar in the middle	•
---	---

CONTROL UNIT

Industrial PC - Touchscreen	15"
Data transfer via remote network connection, Ethernet and USB	•
Barcode reader	•
Camquix CAM program	•
CadXtract CAD-CAM Production program	o

OPERATIONAL AREA

Processable steel profile thickness	5 mm
Clamps, standard pcs	8
Clamps, maximum pcs	10
Servo-controlled automatic clamp positioning system	•
Automatic lubrication in processing area	•
Cabinet providing protection in processing zone	•
Safety barrier (sensor)	•
Automatic lubrication system	o
Automatic sawdust discharge unit (8 m)	o
FESTO pneumatic system	o

• Standard o Optional



GARNET Mini

3 Axis NC Compact Processing Center with
Copy Router Function

CENTER



Technical Sheets

Features

Compact milling center with copy router function, on the 3 surfaces of the aluminum and plastic profiles, with parametric program templates, developed to perform operations such as lock, handle, hinge, latch slot and opening processes.


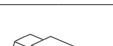
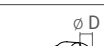





- 10" Touchscreen
- Easy to program user interface
- Easy profile positioning with gauge and laser marking
- Spindle motors running independently on 3 different surfaces

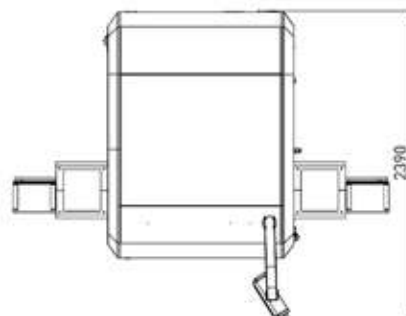
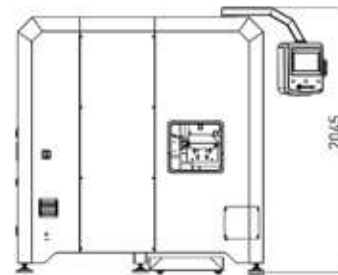
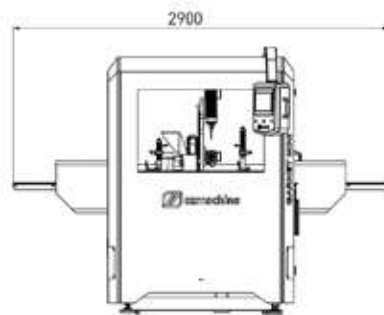
Standard Equipment

- Cooling system
- Horizontal and vertical pneumatic clamps (2 pcs top, 2 pcs front)
- 3 piece 6mm milling cutters
- Right and left profile gauge
- Laser marking

Optional Equipment

- 5, 6, 8 and 10 mm milling cutters
- Servo Control Profile Support
- 45° Water Slot

 (x3)				 (x3)				 (x3)	 H  Z Y X						 kg
HP kW	n	Hz	I (230 V)	HP kW	n	Hz	I (230 V)	Ø D max.	H	X	Y	Z	Air Pressure	Air Consumption	Gross Net
4 3	18000 r.p.m	300	7 A	1 0,75	3000 r.p.m	50	4,6 A	13 mm	118 mm	350 mm	150 mm	120 mm	6 - 8 bar	40 L / dk.	1000 kg 800 kg



GARNET Mini



3 Axis NC Compact Processing Center with
Copy Router Function

MACHINING LENGTHS

X Axis (Longitudinal)	350 mm
Y Axis (Lateral)	150 mm
Z Axis (Vertical)	120 mm

POSITIONING SPEED

X Axis (Longitudinal)	30 m/min
Y Axis (Lateral)	30 m/min
Z Axis (Vertical)	30 m/min

AIR

Pressure	6-8 Bar
Consumption	40 L / min

ELECTRICAL

Maximum power	12 kW
Voltage	400V 3P, PE AC
Frequency	50-60 Hz

SPINDLE

Spindle with cooling fan	3
Maximum power	3 kW
Maximum rotation speed	18.000 rpm
Tool holder	ER 20

PROFILE POSITIONING

Right and left profile gauge	•
Laser marking	•

PROFILE TIE-DOWN MEASUREMENTS

Xmax / Xmin (Longitudinal)	- / 660 mm
Ymax / Ymin (Lateral)	150 mm / -
Zmax/ Zmin (Vertical)	120 mm / -

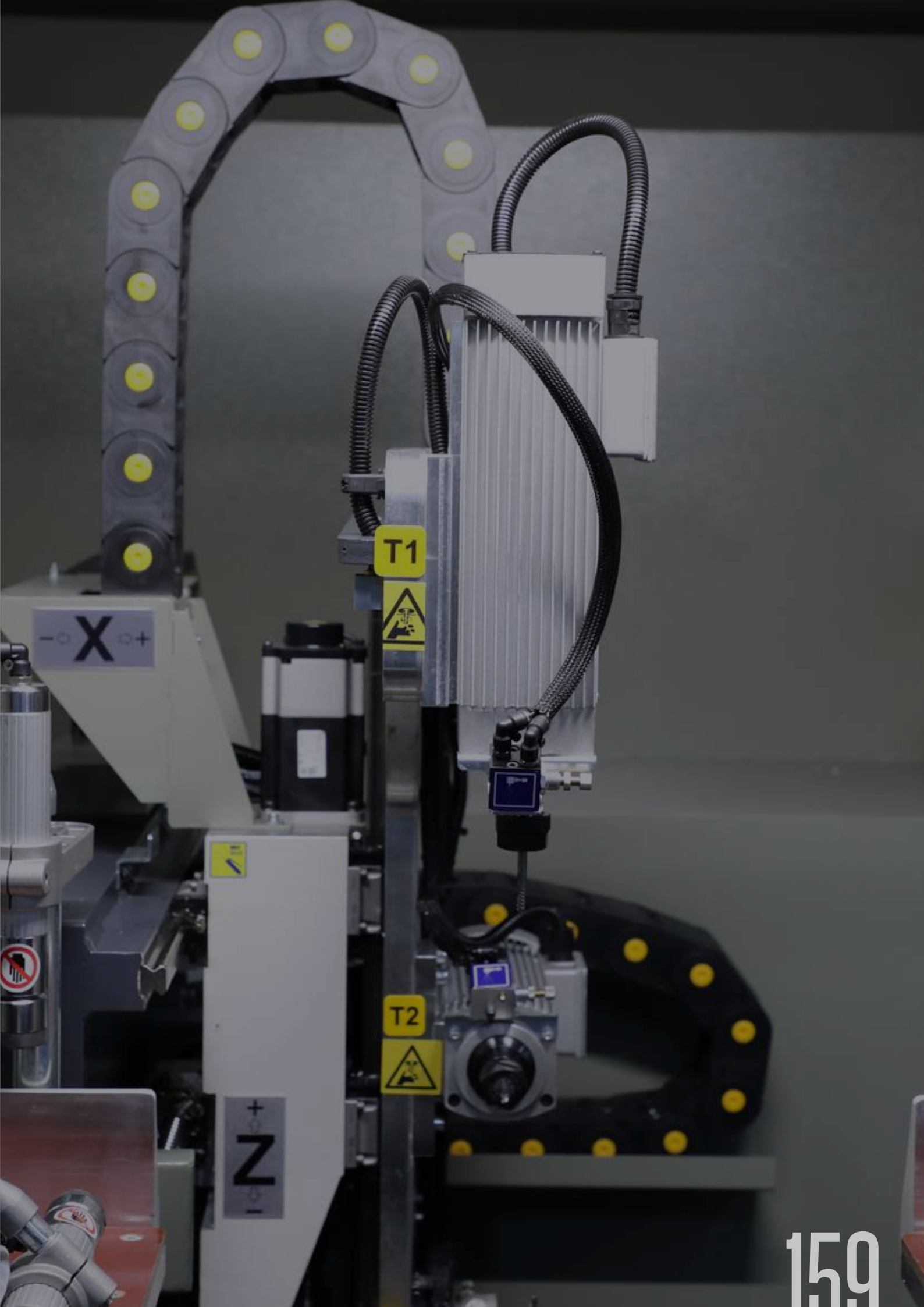
CONTROL UNIT

Touchscreen	10"
Data transfer via USB	•
Smart CAM post processing	○

OPERATIONAL AREA

Clamps, standard quantity	4
Automatic lubrication in processing area	•
Guard cabin for machining area	•

• Standard ○ Optional



GARNET XS

CNC Profile Machining Center (3+1 Axis)

CENTER

Automation by
FANUC



Thanks to its spindle which can operate in -90° , 0° and $+90^{\circ}$ fixed angles, the 3+1 axis CNC machining center, GARNET XS can process different sizes of aluminum and PVC profiles and offer a wide spectrum of solutions to the user. The machine is developed to carry out all-in-one milling, drain channel opening, punching, marking and end milling operations on aluminum and PVC profiles, and to perform special non-standard operations on different profiles. The high processing capacity (340 mm x 255 mm) provides satisfactory user experience with the machines' performance in all operations.



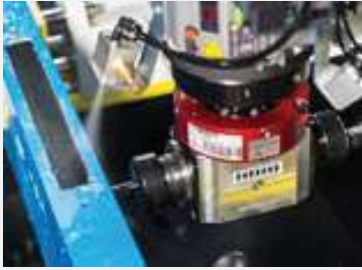
Technical Sheets

160

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Özcelik Makina continuously improves its products and offers new and modern solutions for PVC and Aluminum Profile Processing. Accordingly, Özcelik reserves the right to change the information in this document without notice. All dimensions and weights are reference values. Valid from January 2024

Features



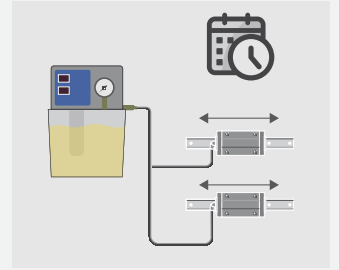
By focusing on providing convenient solutions for customers, and combining power and precision, GARNET XS lets the processing capacity be only limited by the users imagination, thanks to the 5.5 kW spindle motor with automatic tool replacement feature.



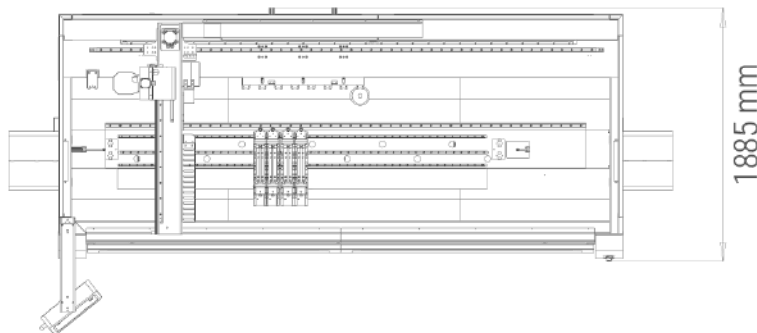
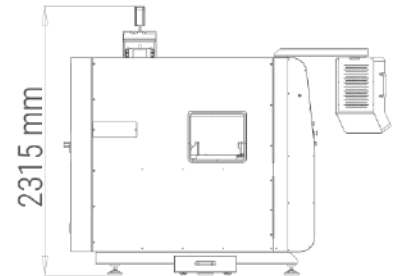
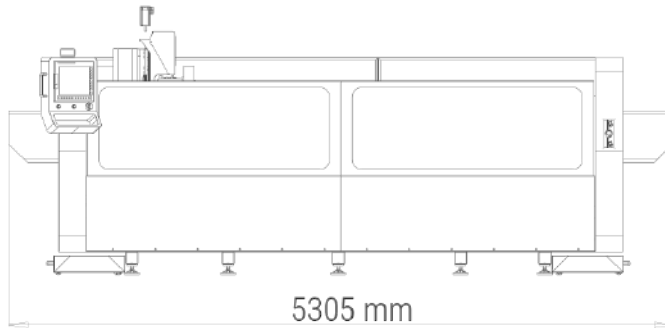
Thanks to its built-in automatic magazine with capacity for 8+1 tools, GARNET XS saves time when switching to different operations.



The GARNET XS, which positions its clamps fully automatically using the X-axis, completely takes on the user's workload.



Maintenance of transmission elements is accomplished by the automatic lubrication system which is offered as an optional feature increasing the service life for accuracy in processes. Capacity may be varied for processing of non-standard profiles with on demand optimization of size and number of clamps.



GARNET XS

CNC Profile Machining Center (3+1 Axis)

MACHINING LENGTHS

X Axis (Longitudinal)	3000 mm
Y Axis (Lateral)	340 mm
Z Axis (Vertical)	255 mm
A Axis (Head processing angles)	-90° 0° +90°

POSITIONING SPEED

X Axis (Longitudinal)	90 m/min
Y Axis (Lateral)	60 m/min
Z Axis (Vertical)	20 m/min

AIR

Pressure	6-8 Bar
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ELECTRICAL

Maximum power	8,46 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

SPINDLE

Maximum power	5,5 kW
Maximum rotation speed	24.000 rpm
Tool holder	ISO 30
Cooling type	Elektric Fan

TOOL STORAGE

Automatic Linear Type Tools Magazine	•
Maximum tool storage system number	8+1
Maximum saw blade diameter in to the storage system	150 mm
Automatic Tools Measuring system	•

TAPPING CAPACITY

M8 - with compressed tapping head	○
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PROFILE POSITIONING

Right and left pneumatic profile reference alignment	•
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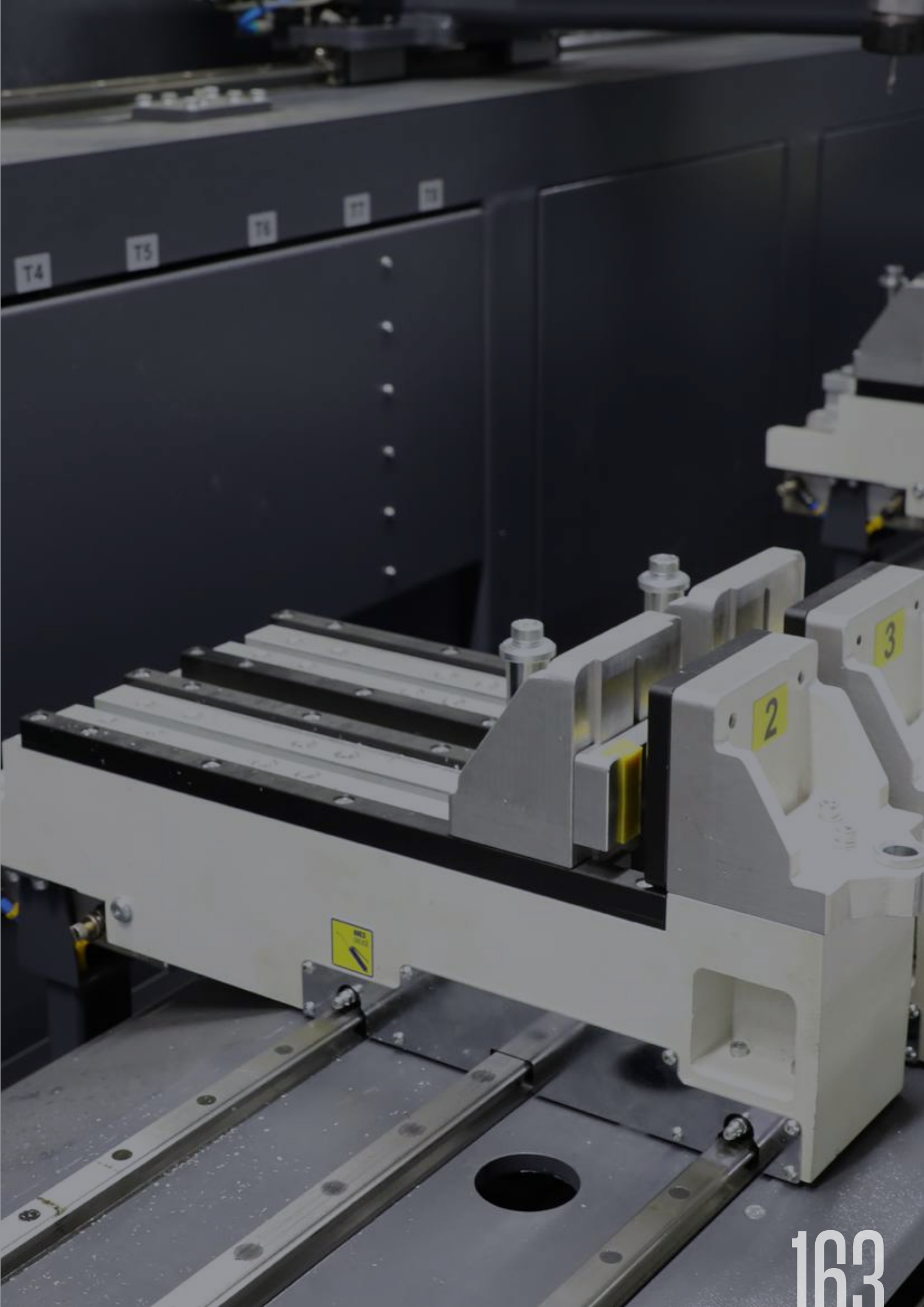
CONTROL UNIT

Industrial PC - Touch Screen	15"
Data transfer via remote network connection, Ethernet and USB	•
Aggregate	•
Barcode reader	•
Camquix CAM program	•
CadXtract CAD-CAM Production program	○

OPERATIONAL AREA

Clamps, standard quantity	4
Clamps, maximum quantity	6
Automatic clamp positioning with the X-axis	•
Automatic lubrication in processing area	•
Guard cabin for machining area	•
B&R automation system	○
Automatic lubrication system	○
FESTO pneumatic system	○
Side tunnels	•

• Standard ○ Optional



GARNET XS4

CNC Profile Machining Center (4 Axis)

CENTER

Automation by
FANUC



The 4-axis CNC machining center, GARNET XS 4, boasts a versatile spindle that tackles a wide range of materials, including aluminum, PVC, light alloys, and even steel. With its ability to operate between -90° and $+90^{\circ}$, the GARNET XS 4 tackles profiles of various sizes. This all-in-one powerhouse streamlines milling, water channel opening, punching, marking, and end milling for diverse materials, excelling at both standard and non-standard operations. An impressive working area of 340 mm x 255 mm further enhances user experience by enabling efficient processing.



Technical Sheets

Features



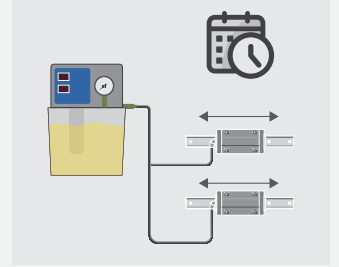
By focusing on providing convenient solutions for customers, and combining power and precision, GARNET XS4 lets the processing capacity be only limited by the users imagination, thanks to the 5.6 kW spindle motor with automatic tool replacement feature.



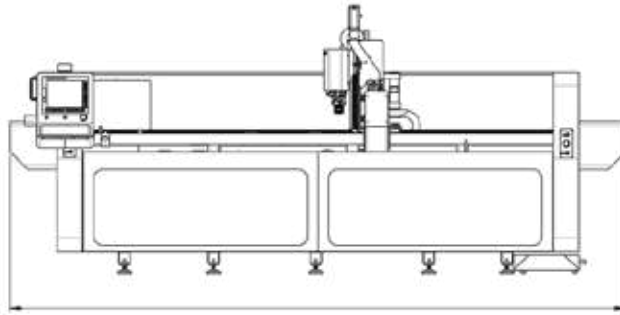
Thanks to its built-in automatic magazine with capacity for 8 tools, GARNET XS4 saves time when switching to different operations. The GARNET XS4, which positions its clamps fully automatically using the X-axis, completely takes on the user's workload.



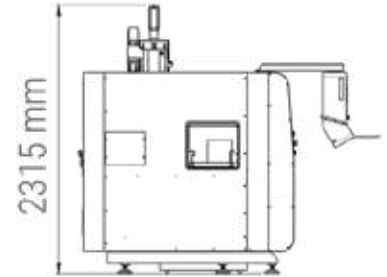
Double-Linear Guide bridge systems have are more rigid and durable compared to single-Linear Guide bridge systems. Reduced vibration and allows for more precise processing of the profiles.



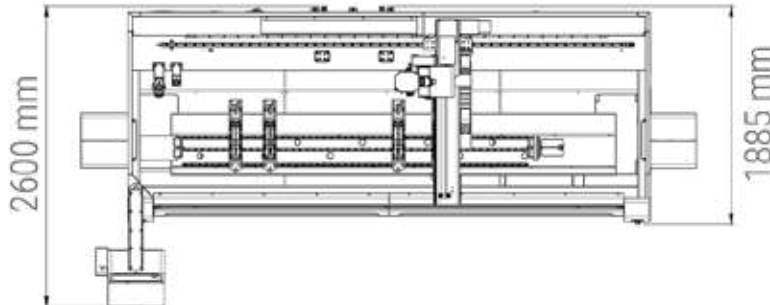
Maintenance of transmission elements is accomplished by the automatic lubrication system which is offered as an optional feature increasing the service life for accuracy in processes. Capacity may be varied for processing of non-standard profiles with on demand optimization of size and number of clamps.



6305 mm



2315 mm



2600 mm

1885 mm

GARNET XS4

CNC Profile Machining Center (4 Axis)

MACHINING LENGTHS

X Axis (Longitudinal)	3000 mm
Y Axis (Lateral)	340 mm
Z Axis (Vertical)	255 mm
A Axis (Head processing angles)	-90° / +90°

POSITIONING SPEED

X Axis (Longitudinal)	90 m/min
Y Axis (Lateral)	60 m/min
Z Axis (Vertical)	20 m/min
A Axis (Rotational Movement)	166° /sec

AIR

Pressure	6-8 Bar
----------	---------

ELECTRICAL

Max. Power	8 kW
Voltage	400V 3P, N, PE AC
Frequency	50-60 Hz

SPINDLE

Max. Power	5.6 kW
Maximum rotation speed	20.000 r.p.m
Tool holder	HSK F50
Cooling type	Liquid

TOOL STORAGE

Automatic Linear Type Tools Magazine	•
Maximum tool storage system number	8
Maximum saw blade diameter in to the storage system	150 mm
Automatic Tools Measuring	•

SCREW-CUTTING CAPACITY

M8 - with compressed tapping head	○
-----------------------------------	---

PROFILE POSITIONING

Right and left pneumatic profile reference alignment	•
--	---

CONTROL UNIT

Industrial PC - Touch Screen	15"
Barcode reader	•
Camquix CAM program	•
CadXtract CAD-CAM Production program	○

OPERATIONAL AREA

Clamps, standard pcs	4
Clamps, maximum pcs	6
Automatic clamp positioning with the X-axis	•
Automatic lubrication in processing area	•
Cabinet providing protection in processing zone	•
B&R automation system	○
Automatic lubrication system	○
FESTO pneumatic system	○
Side tunnels	•

• Standard ○ Optional

HITECO
HIGH TECHNOLOGY COMPONENTS

HD-2 5.6/18 20 50F EN
29L0716046F

3 Phases Asynchronous Motor

HSK 50F

20000 RPM MAX

14 kg IP 55

380 V

7 kW

Liquid Cooling
Poles: 4
Ins. Cl: F
Cos ϕ : 0.90

	(Hz)	200	400	800	667
U _N	(V)	122	253	380	380
I _N	(A)	14	14	14	13
P _N	(kW)	1.9	3.7	5.6	5.6
I _{max}	(A)	17	17	17	16
P _{max}	(kW)	2.3	4.7	7	6.5

 IEC 60034-1

HITECO S.p.A.
Via Emilia 17 - 47021 Rimini - Italy

H231202472

COMPARISON TABLE



Category features	GARNET Mini	GARNET XS
Material (Alm / Pvc / Steel - 5mm)	Alm/Pvc	Alm/Pvc/Steel
Machining Distance - X Axis (Longitudinal) - (mm)	350	3000
Machining Distance - Y Axis (Horizontal) - (mm)	150	340
Machining Distance - Z Axis (Vertical) - (mm)	120	255
Placeable Profile Dimensions (X x Y x Z) - (mm)	660 x 150 x 120	3000 x 340 x 255
Axes	3	3+1
A Axis (Rotational Movement of the Head)	X	Agrega
C Axis (Head Rotation Angle) - (°/sec)	X	X
Spindle Motor Power (kw)	3	5,5
Spindle Motor Speed (rpm)	18.000	24.000
Tool Holder - (Collet)	ER 20	ISO 30
Automation System	Ls	Fanuc
Software	Compatibility with CAM programs (opt.)	Camquix (CAM Software) CadXtract (opt.)
Number of Sets That Can Be Loaded in the Magazine - (pcs.)	X	8+1
Saw Diameter That Can Be Loaded in the Magazine System - (Max) - (mm)	X	150
Threading Capacity	X	Opt. (Max -M8)
Clamp (pcs)	4	4 (6 opt.)
Clamp positioning system	X	automatic with x axis



	GARNET XS4	GARNET 8000	GARNET 5X
	Alm/Pvc/Steel	Alm/Pvc/Steel	Alm/Pvc/Steel
	3000	8000	8000
	340	580	515
	255	290	370
	3000 x 340 x 255	8000 x 580 x 290	8000 x 515 x 370
	4	4	5
	✓	✓	✓
	X	X	0 / 360
	5,6	8	11
	20.000	24.000	24.000
	HSK F50	ISO 30	HSK F63
	Fanuc	Fanuc	Fanuc
	Camquix (CAM Software) CadXtract (opt.)	Camquix (CAM Software) Auto CadXtract (opt.)	Camquix (CAM Software) CadXtract (opt.)
	8	20	20+1
	150	180	400
	Ops. (Max -M8)	M8	M8
	4 (6 opt.)	8 (10 opt.)	8 (10 opt.)
	automatic with x axis	automatic with x axis	Servo controlled automatic

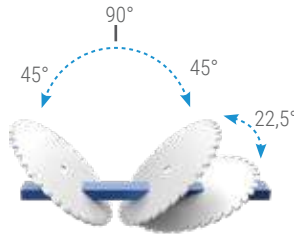
LEO Plus

Automatic Cutting Machine Ø 550 mm -
with Robot Profile Drive System and 2 Axis
Servo Control

CENTER



Automatic cutting machine with 550 mm saw blade LEOplus is ideal for cutting aluminum and PVC profiles in various angles and thickness. LEOplus provides rapid and precise process with servo controlled positioning of head at any angles between -22.5° and 45° and servo controlled robotized profile loading gripper. Safety is a topmost priority for LEOplus together with the horizontal and vertical clamps which improve the cutting quality.



Technical Sheets

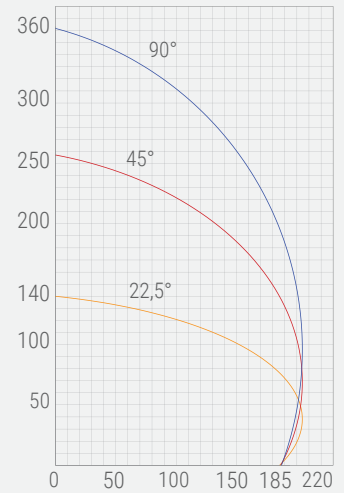
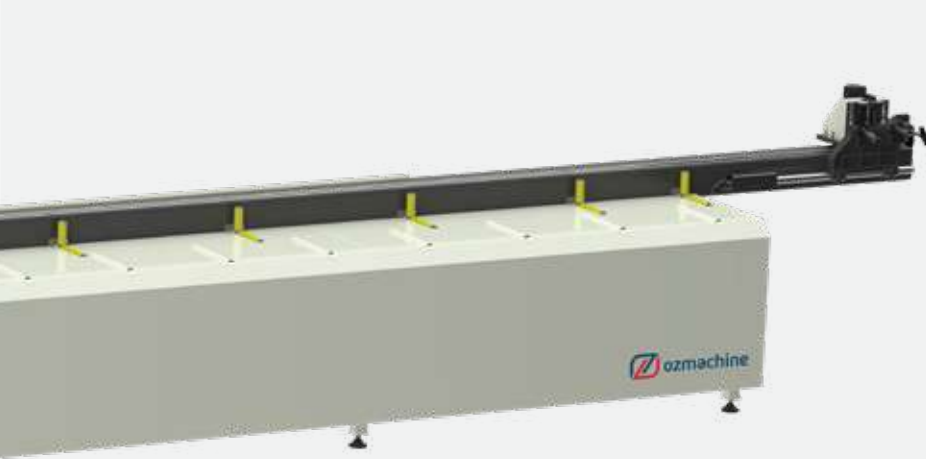
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Features

HP kW	n	3~ Hz	I (400 V)	HP kW	n	3~ Hz	I	ø D	ø d	s	n	min.	max.	Air Pressure	Air Consumption	l x w x h (mm)
4 3	3000 r.p.m	50 60	6,4 A	1,1 0,8	3000 r.p.m	50 60	5,02 A	550 mm	30-32 mm	4,4 mm	2430 r.p.m	0 mm	6500 mm	6 - 8 bar	62 L / min.	11465 x 1985 x 1580 1357 kg



FEATURES

Automatic servo-controlled angular positioning	-22,5° and 45°
Maximum internal rotation angle	45°
Maximum external rotation angle	-22,5°
Hydro-pneumatic cutting feed adjustment	•
Cemented carbide saw blade	1
Saw blade diameter	550 mm
Saw blade motor power	3 kW - 4 HP
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Spray saw cooling system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Barcode writer	•
Data transfer via remote network connection, ethernet and USB	•
10" Touchscreen	•
Angular slicing feature	•
Output conveyor with manual gauge	•
Servo controlled robotized profile loading gripper	•
Gripper manual Y and Z axis adjustment	•
Robot gripper X axis positioning speed	90 m/min
Maximum profile loading length	6500 mm
Optional length on the X axis	○
Dust extractor	○

• Standard ○ Optional

LEPUS II

CNC ACP Processing Machine (4 Axis)

CENTER



The 4-Axis CNC controlled panel processing machine LEPUS - II is intended for cutting, v-channel opening and similar operations on various composite panels and plates. Thanks to its unique automatic tool replacement system, the machine reduces set replacement time to 2.5 seconds and minimizes the time loss with tool replacement process. In addition, the machine enables processing of wooden, plastic and various materials by replacement of the milling cutter.



Technical Sheets

Features

MACHINING LENGTHS

X Axis (Longitudinal)	4000 mm
Y Axis (Lateral)	1600 mm
Z Axis (Vertical) – without tool	250 mm
Insertable Panel Dimensions Min./Max.	500x300 mm /4000x1600 mm

POSITIONING SPEED

X Axis (Longitudinal)	55 m/Min
Y Axis (Lateral)	55 m/Min
Z Axis (Vertical)	15 m/Min
B Axis (Rotational Movement)	10°/sn

SPINDLE MOTOR

Motor Quantity	4 Pcs
Motor Power	3 kW
Motor rotation speed	18000 rpm
Tool Holder	ER 20
Cooling Type	Elektro Fan

TOOL DIAMETER

Carbide Milling Cutter	5 mm
Grout Milling Cutter	10 mm

DUST EXTRACTION MOTOR (VELA)

Motor Power	3 kW
Motor Rotation Speed	3000 rpm
Air Flow	700 m3 /h

VACUUM MOTOR X 2

Motor Power	7,5 kW
Motor Rotation Speed	3000 rpm

CONTROL UNITS

CNC control unit	•
Data transfer from PC via CF card, USB flash drive or remote network connection	•
Industrial PC - Touch Screen	15" HMI

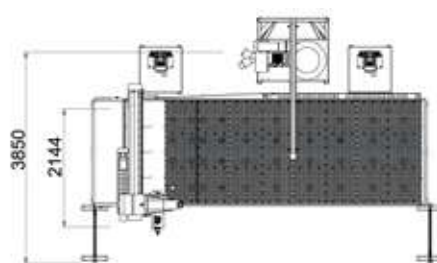
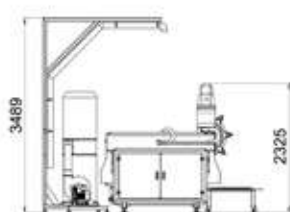
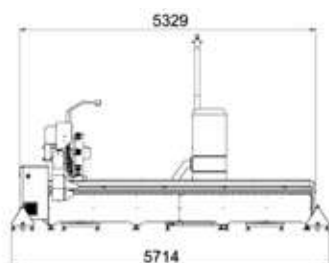
AIR - ELECTRIC

Voltage	400 V
Maximum Power	38 kW
Frequency	50-60 Hz
Pressure	6-8 Bar

OPERATIONAL AREA

Dust Extraction System	•
External Button Controlled Vacuum Zones/ Vacuum in independent areas / 5 Areas	•
Automatic Tool Length Measurement	•
X and Y Axis Reference Stop / 5 Pcs	•
Handwheel Control For Manual Movement And Adjustments	•
Laser Safety Barrier	•
Metal Barriers On Three Sides Blocking Access To The Work Area	•
Spare Cutting Tools	○
Spare Tool Holder Pens	○
Lubricated Vacuum Pump	○
2D and 3D Geometry Processing Capability With Alphacam CAD/CAM Software	○

• Standard ○ Optional



LEPUS II L

CNC ACP Processing Machine
(3 Axis, 4 Spindles) - 7 m

CENTER



The 3-Axis CNC controlled panel processing machine LEPUS - II L is intended for cutting, v-channel opening and similar operations on various composite panels and plates. Thanks to its unique automatic tool replacement system, the machine reduces set replacement time to 2.5 seconds and minimizes the time loss with tool replacement process. In addition, the machine enables processing of wooden, plastic and various materials by replacement of the milling cutter.



Technical Sheets

MACHINING LENGTHS

X Axis (Longitudinal)	1600 mm
Y Axis (Lateral)	7000 mm
Z Axis (Vertical) – without tool	200 mm

POSITIONING SPEED

X Axis (Longitudinal)	55 m/min
Y Axis (Lateral)	55 m/min
Z Axis (Vertical)	15 m/min
B Axis (Rotational Movement)	10° /sec.

TOTAL POWER CONSUMPTION

25,5 kW

SPINDLE

Power	7.5
Maximum rotation speed	18000 rpm
Tool Holder	iso 30
Cooling Type	Elektro Fan

POWDER SUCTION

Power	3 kW
Engine rpm	3000 rpm

VACUUM PUMP

Power	2 x 7.5 kW
Engine rpm	3000 rpm

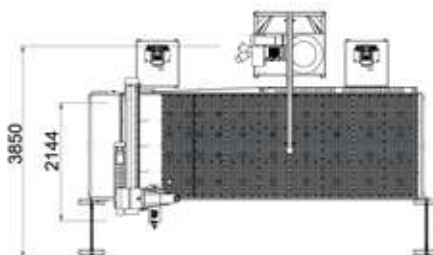
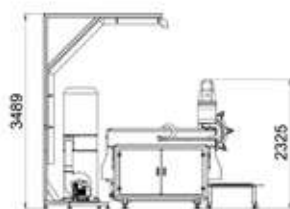
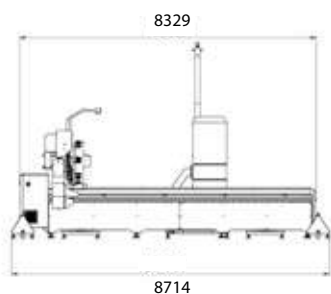
CONTROL UNIT

Data transfer over remote network connection, CF Card and USB	•
CNC control unit	•
Remote Connection	•

OPERATIONAL AREA

Dust extractor	•
Vacuuming independent sections	•
Number of vacuum tables	8
Automatic tool length measurement	•
Pneumatic reference stop for panel positioning along X axis	2
Pneumatic reference stops for panel positioning along Y axis	9
Lighted barrier system that blocks access to the working area	○
Metal fence protecting three sides	•

• Standard ○ Optional



LEPUS X

CNC ACP Processing Machine (3 Axis)

CENTER



The 3-Axis CNC controlled panel and profile processing machine LEPUS - X is developed to cut v - channel opening and similar operations on various composite panels and plates. Thanks to its automatic tool magazine system with capacity for 5 tools, LEPUS -X saves time when switching to different operations. In addition, LEPUS X enables processing of aluminum, wooden, plastic and various materials by replacement of the milling cutter.



Technical Sheets

Features

MACHINING LENGTHS

X Axis (Longitudinal)	4000 mm
Y Axis (Lateral)	1600 mm
Z Axis (Vertical) – without tool	250 mm
Insertable Panel Dimensions Min./Max.	500x300 mm /4000x1600 mm

POSITIONING SPEED

X Axis (Longitudinal)	55 m/Min
Y Axis (Lateral)	55 m/Min
Z Axis (Vertical)	15 m/Min

SPINDLE MOTOR

Motor Power	7.5 kW
Motor rotation speed	24000 rpm
Tool Holder	ISO 30
Cooling Type	Elektro Fan

TOOL DIAMETER

Carbide Milling Cutter	5 mm
Grout Milling Cutter	10 mm

DUST EXTRACTION MOTOR (VELA)

Motor Power	3 kW
Motor Rotation Speed	3000 rpm
Air Flow	700 m3 /h

VACUUM MOTOR X 2

Motor Power	7,5 kW
Motor Rotation Speed	3000 rpm

CONTROL UNITS

CNC control unit	•
Data transfer from PC via CF card, USB flash drive or remote network connection	•
Industrial PC - Touch Screen	15" HMI

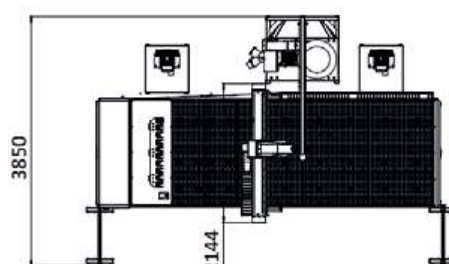
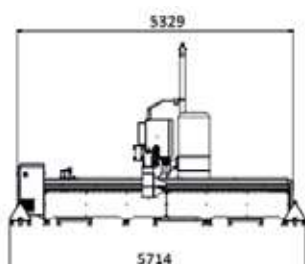
AIR - ELECTRIC

Voltage	400 V
Maximum Power	38 kW
Frequency	50-60 Hz
Pressure	6-8 Bar

OPERATIONAL AREA

Dust Extraction System	•
External Button Controlled Vacuum Zones/ Vacuum in independent areas	•
Automatic Tool Length Measurement	•
X and Y Axis Reference Stop	•
Handwheel Control For Manual Movement And Adjustments	•
Laser Safety Barrier	•
Metal Barriers On Three Sides Blocking Access To The Work Area	•
Spare ISO 30 Tool Holder	○
Spare Tool Holder Pens	○
Lubricated Vacuum Pump	○
2D and 3D Geometry Processing Capability With Alphacam CAD/CAM Software	○

• Standard ○ Optional



LEPUS XL

CNC ACP Processing Machine (3 Axis)

CENTER



The 3-Axis CNC controlled panel and profile processing machine LEPUS - XL is developed to cut v - channel opening and similar operations on various composite panels and plates. Thanks to its automatic tool magazine system with capacity for 5 tools, LEPUS -XL saves time when switching to different operations. In addition, LEPUS - XL enables processing of aluminum, wooden, plastic and various materials by replacement of the milling cutter.



Technical Sheets

MACHINING LENGTHS

X Axis (Longitudinal)	7000 mm
Y Axis (Lateral)	1600 mm
Z Axis (Vertical) – without tool	250 mm
Insertable Panel Dimensions Min./Max.	500x300 mm / 7000x1600 mm

POSITIONING SPEED

X Axis (Longitudinal)	55 m/Min
Y Axis (Lateral)	55 m/Min
Z Axis (Vertical)	15 m/Min

SPINDLE MOTOR

Motor Power	7.5 kW
Motor rotation speed	24000 rpm
Tool Holder	ISO 30
Cooling Type	Elektro Fan

TOOL DIAMETER

Carbide Milling Cutter	5 mm
Grout Milling Cutter	10 mm

DUST EXTRACTION MOTOR (VELA)

Motor Power	3 kW
Motor Rotation Speed	3000 rpm
Air Flow	700 m3 /h

VACUUM MOTOR X 2

Motor Power	7,5 kW
Motor Rotation Speed	3000 rpm

CONTROL UNITS

CNC control unit	•
Data transfer from PC via CF card, USB flash drive or remote network connection	•
Industrial PC - Touch Screen	15" HMI

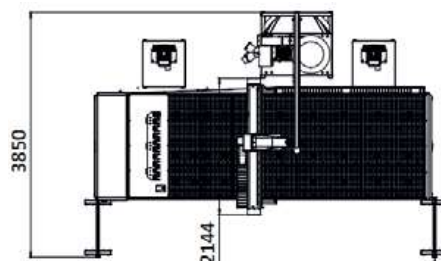
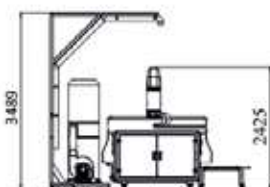
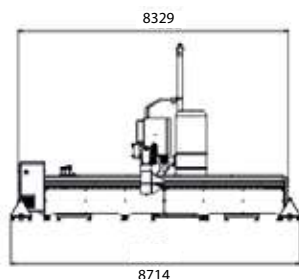
AIR - ELECTRIC

Voltage	400 V
Maximum Power	38 kW
Frequency	50-60 Hz
Pressure	6-8 Bar

OPERATIONAL AREA

Dust Extraction System	•
External Button Controlled Vacuum Zones/ Vacuum in independent areas	•
Automatic Tool Length Measurement	•
X and Y Axis Reference Stop	•
Handwheel Control For Manual Movement And Adjustments	•
Laser Safety Barrier	•
Metal Barriers On Three Sides Blocking Access To The Work Area	•
Spare ISO 30 Tool Holder	○
Spare Tool Holder Pens	○
Lubricated Vacuum Pump	○
2D and 3D Geometry Processing Capability With Alphacam CAD/CAM Software	○

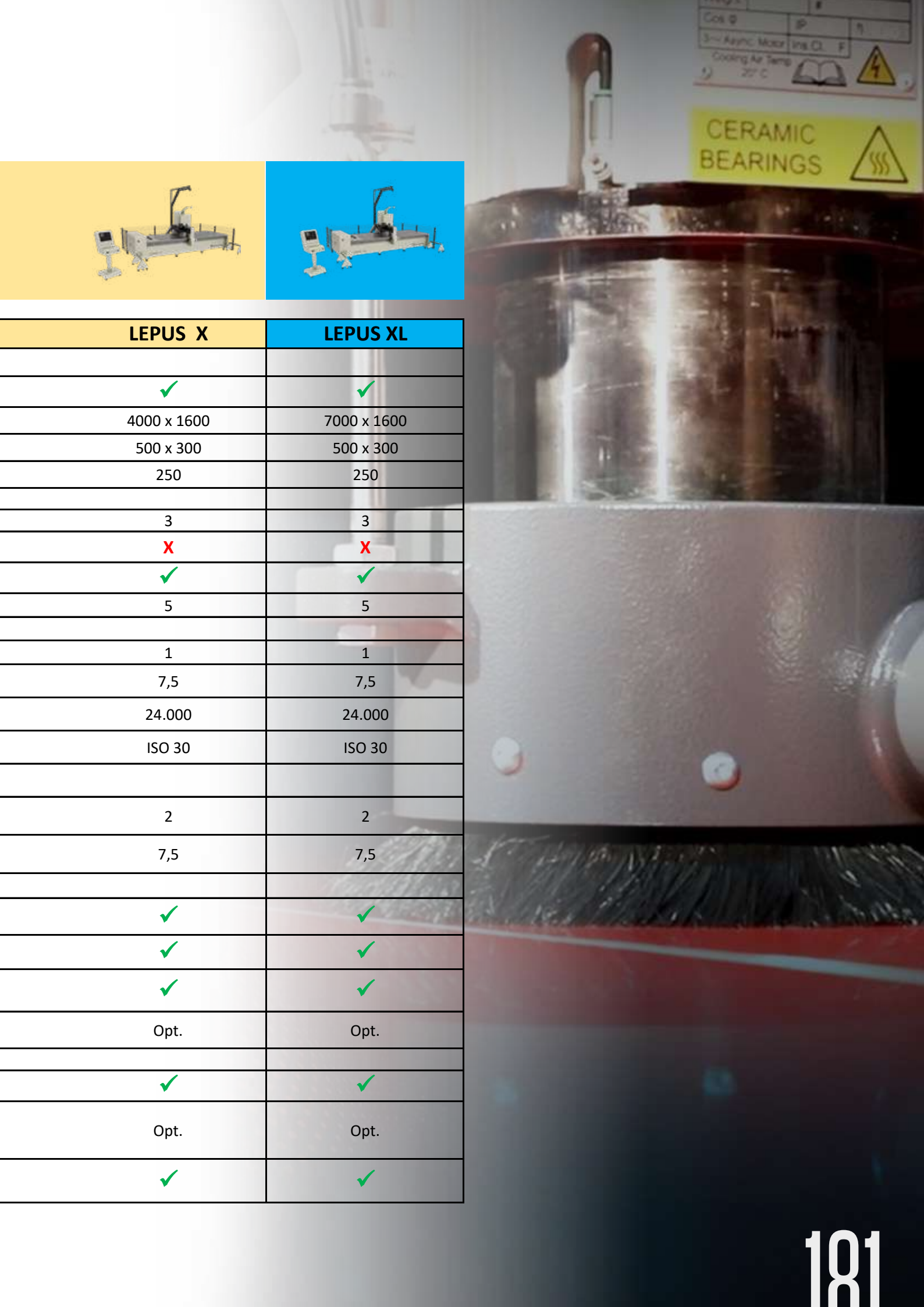
• Standard ○ Optional



COMPARISON TABLE



Kategori özellikleri	LEPUS II	LEPUS II L	
Material (Composite)	✓	✓	
Max.Placeable Panel Dimensions (X x Y) - (mm)	4000 x 1600	7000 x 1600	
Min.Placeable Panel Dimensions (X x Y) - (mm)	500 x 300	500 x 300	
Z Axis Machining Distance-Without Milling (mm)	250	250	
Axes	4	4	
B Axis (Rotational Motion)	✓	✓	
Tool Magazine	X	X	
Number of Tools Loaded in Magazine (pcs.)	X	X	
Number of Spindle Motors (pcs.)	4	4	
Spindle Motor Power (kW)	3	3	
Spindle Motor Speed (rpm)	18.000	18.000	
Tool Holder - (Collet)	ER 20	ER 20	
Vacuum Motor (pcs.)	2	2	
Vacuum Motor Power (kW)	7,5	7,5	
Dust Extraction System (Vela)	✓	✓	
Button Controlled Vacuum Zones	✓	✓	
Local Vacuuming	✓	✓	
Lubricated Vacuum Pump	Opt.	Opt.	
CNC Control Unit	✓	✓	
Ability to process 2D and 3D geometries with Alpha Cd/Cam program	Opt.	Opt.	
Remote Network Connection, Ethernet and USB Data Transfer	✓	✓	



LEPUS X	LEPUS XL
✓	✓
4000 x 1600	7000 x 1600
500 x 300	500 x 300
250	250
3	3
X	X
✓	✓
5	5
1	1
7,5	7,5
24.000	24.000
ISO 30	ISO 30
2	2
7,5	7,5
✓	✓
✓	✓
✓	✓
Opt.	Opt.
✓	✓
Opt.	Opt.
✓	✓

ORBIT V

Automatic PVC Corner and Surface
Cleaning Machine (4 Surfaces)

CENTER



ORBIT - V, the Automatic PVC corner and surface cleaning machine, is developed for cleaning the burrs formed on the plastic profiles after the process of welding. Cleans the lower, upper, inner and outer surfaces of profiles by means of two independent cleaning units. 11 automatic profile cleaning blades provide the users with ease and time saving in burr cleaning process with its 1000 pcs. profile memory capacity and operator adjustable axial speeds.



Technical Sheets

CLEANING UNIT FRAME DIMENSIONS

Min. Frame Dimensions	350 mm x 400 mm
-----------------------	-----------------

CLEANING UNIT PROFILE DIMENSIONS

Min. Profile Height	25 mm
Max. Profile Height	200 mm
Min. Profile Width	30 mm
Max. Profile Width	150 mm

ELECTRICAL

Maximum power	10 kW
Voltage	400V 3P, N, PE AC
Frequency	50 Hz

AIR

Pressure	6-8 Bar
----------	---------

CUTTING UNITS

Saw blade diameter	300 mm
Saw blade motor power	1.1 kW
Saw blade motor	6000 r.p.m.
Saw blade thickness	3.2 mm
Milling cutter motor power (x2)	0,75 kW
Milling cutter motor r.p.m.	12.000 r.p.m.
Milling cutter diameter	8 mm
Milling cutter length	120 mm
Profile external cleaning saw	•
Cleaning blades	•
Millers	•

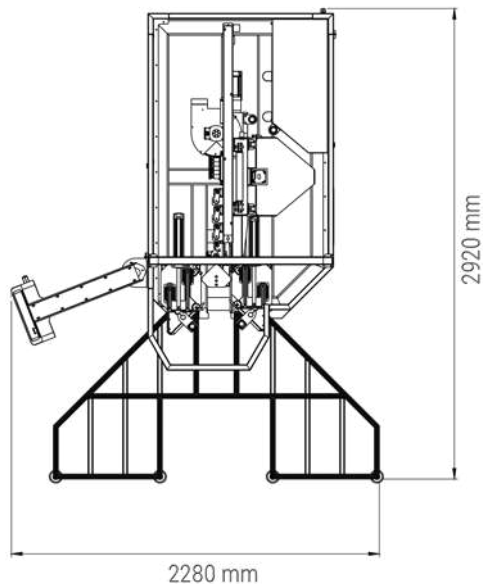
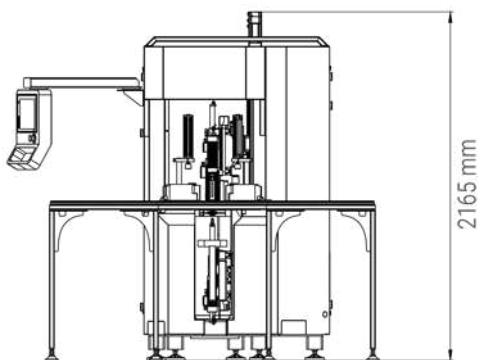
PROCESSABLE UNITS

With sawblade (External surface)	1
With 3 upper and 3 lower blades (inner profile with upper and lower surface)	3
With 1 upper and 1 lower miller (cord housing and surface cleaning)	2

OPERATIONAL AREA

Profile support unit	•
----------------------	---

• Standard ○ Optional



ORION IV

Automatic Four Head Welding Machine

CENTER



ORION - IV which is quadruple welding center has been developed for welding 4 edges of plastic profiles process. Through its electronic thermostat provides to be boiled at the same time of 4 edges by scattering homogenised to plaque of heat with adjustable welding time and intended heat value between 0 °C - 350 °C. ORION - IV which has process programming and wide memory.



Technical Sheets

Features

WELDING UNIT FRAME DIMENSIONS

Min. Frame Dimensions (with mold)	350 mm x 410 mm
Max. Frame Dimensions (without mold)	2650 mm x 4110 mm

WELDING UNIT PROFILE DIMENSIONS

Min. Profile Height	40 mm
Max. Profile Height	200 mm
Min. Profile Width	30 mm
Max. Profile Width	150 mm

ELECTRICAL

Max. Power	14.75 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

AIR

Pressure	6-8 Bar
----------	---------

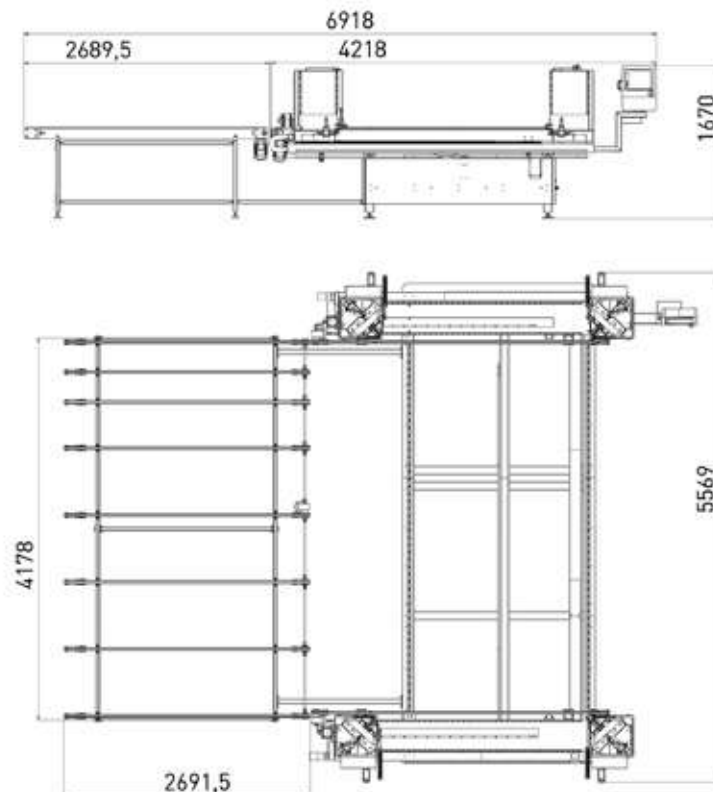
WELDING RANGE

Welding burr size	0.2 mm
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OPERATIONAL AREA

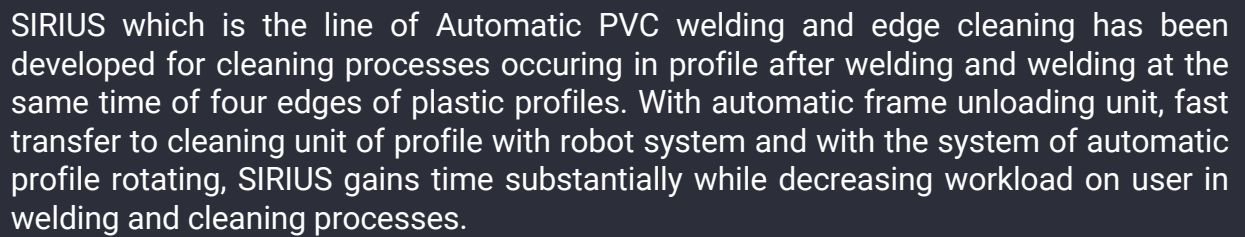
Barcode reader	•
Teflon (4 pcs)	•
Custom mold	○
Gasket pressing system	○
Min. Frame Dimensions (Gasket pressing system(with mold)- 480 mm X 480 mm)	○
Safety barrier (sensor)	○
Profile holding and cooling unit	○

• Standard ○ Optional



Automatic PVC Welding and Cleaning Line

CENTER



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Özçelik Makina continuously improves its products and offers new and modern solutions for PVC and Aluminum Profile Processing. Accordingly, Özçelik reserves the right to change the information in this document without notice. All dimensions and weights are reference values. Valid from January 2024

Features



Through its electronic thermostat heat adjustment between 0°C - 350°C, welding time adjustment and digital controlled heat, quadruple welding unit provides scattering homogenised to plaque of heat.

11 pieces of profile cleaning blade and two independent cleaning unit, cleaning bottom, top, interior and external surfaces of the profile.

WELDING UNIT FRAME DIMENSIONS

Min. Frame Dimensions	350 mm x 410 mm
Max. Frame Dimensions	2650 mm x 4110 mm

WELDING RANGE

Welding burr size	0.2 mm
-------------------	--------

WELDING AND CLEANING UNIT PROFILE DIMENSIONS

Min. Profile Height	40 mm
Max. Profile Height	200 mm
Min. Profile Width	30 mm
Max. Profile Width	150 mm

CUTTER UNITS

Saw blade diameter	300 mm
Saw blade motor power	1.5 kW
Saw blade motor r.p.m.	6000 r.p.m.
Saw blade thickness	3.2 mm
Milling Cutter Motor power (x2)	1.1 kW
Milling Cutter Motor r.p.m.	12.000 r.p.m.
Milling Cutter Diameter	8 mm
Milling Cutter Length	120 mm
Profile external cleaning saw blade	•
Cleaning blades	•
Cutters	•

PROCESSABLE UNITS

With cutter (External surface)	1
With 3 top and 3 bottom blades (Upper and lower surfaces and inner profile)	3
With 1 top and 1 bottom blade (Upper and lower surfaces)	2

AIR

Pressure	6-8 Bar
----------	---------

ELECTRICAL

Max. Power	20.85 kW
Voltage	400V 3N PE AC
Frequency	50 - 60 Hz

OPERATIONAL AREA

Profile support unit	•
Barcode reader	•
Teflon (4 pcs)	•
Custom mold	○
Gasket pressing system	○
Automatic profile rotation system	•
Profile holding and cooling unit	•
Profile external cleaning saw blade	•
Cleaning blades	•

COMPLEMENTRAY PRODUCT

CART C

Window Trolley



- Used to transport and store assembled windows and glass
- 4 wheels, 2 of which have brakes
- 8 profile compartments
- Distance between compartments: 145 mm
- Length (L) X Width (W) X Height (H): 1500 X 1020 X 1300
- Carrying Capacity 300 kg

CART G

Gasket Transport Trolley



- Number of connectable reels 4pcs X Ø 550
- Adjustable compartments for different spool diameters
- Maximum reel width 300 mm
- 4 wheels, 2 of which have brakes
- Length (L) X Width (W) X Height (H): 665 X 530 X 1410
- Carrying Capacity 300 kg

CART H

Horizontal Profile Transport Trolley



- Used to transport and store horizontal profiles
- 4 wheels, 2 of which have brakes
- 10 X 2 pcs. partition compartment group
- Distance between compartment bars 440 mm
- Length of compartment bars 940 mm
- Surfaces coated with rubber to prevent scratching of the material
- Length (L) X Width (W) X Height (H): 1685 X 1000 X 1710
- Carrying Capacity 350 kg

CART V

Vertical Profile Transport Trolley



- Used to transport and store vertical profiles
- 4 wheels, 2 of which have brakes
- PVC coated surfaces to prevent scratching of the material
- 10 X 2 pcs. partition compartment group
- Distance between compartments 105 mm
- Length of compartment bars 595 mm
- Height of lower compartment from floor 460 mm
- Length (L) X Width (W) X Height (H) 1480 X 790 X 1525
- Carrying Capacity 500 kg

COMPLEMENTRAY PRODUCT

CART W

Door and Window
Trolley



- Used to transport and store finished window profiles
- 4 wheels, 2 of which have brakes
- Surfaces coated with rubber to prevent scratching of the material
- Length (L) X Width (W) X Height (H): 1490 X 990 X 1600
- Carrying Handle
- Carrying Capacity 500 kg

COMED DD

Digital Conveyor
with Profile Gauge



Used for conveying of aluminum, plastic and metal profiles.

- Measuring capacity up to 3 m
- Easy installation on machines
- Touchscreen
- Automatic positioning

Optional Equipment

- Bluetooth caliper gauge

COMED M

Manual Conveyor



Used for conveying of aluminum, plastic and metal profiles.

- Manual positioning
- Measuring capacity up to 3 m
- Easy installation on machines

COMED MD

Manual Digital
Conveyor



Used for conveying of aluminum, plastic and metal profiles.

- Positioning with manual rotary arm
- Digital measurement indicator
- Measuring capacity up to 3 m
- Easy installation on machines

COMPLEMENTRAY PRODUCT

K 3000 / 6000

Conveyor



Used for conveying of aluminum, plastic and metal profiles.

- Measurement gauge and ruler
- Practical height adjustment based on machine
- Optional extension by addition of 3 m conveyor

VELA

Dust Vacuuming System



This is a vacuum system designed to collect sawdust produced when working with wood, aluminum, PVC, and composites.

S I / II

Portable End Milling Machine



WT II

Assembly Table



Used for assembling of window and door profiles.

- Ability to work with large sized window and door frames with sliding and extendible working surfaces
- Ability to work ergonomically with the bevel adjustable between
- Power plug and air outlet sockets
- Cord system preventing material scratches

COMPLEMENTRAY PRODUCT

SAS III

Sash Assembling
Station



Features

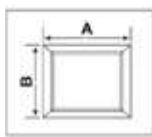
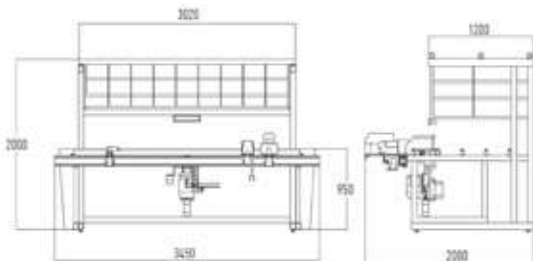
Used to assembly all Tilt&Turn hardware systems on different types, various, sizes of window & door sash profiles without tape measure and pencil using, without need for molds and templates, provides speedy, high quality and standard assembling. Used to assembly all Tilt&Turn hardware systems on different types, various, sizes of window & door sash profiles. Adjustment make by revolver automatic system after selected on touch screen. Suitable for all kind of Tilt & Turn and accessories assembling

Standard Equipment

- Sash assembling table
- Automatic window sash centering system
- Automatic espagnolettes and scissors measuring system
- Espagnolettes and scissor cutting punch

Optional Equipment

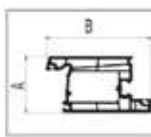
- Full Automatic Screwing with two steps
- Double Automatic screw feeding unit
- Movable adjustable triple handle hole drilling group with air cooling
- Semi automatic adjustable, Hinge drilling and manual hinge screwing group
- Milling tool for espagnolette channel grooving and air unit
- Full automatic water slot drilling system with 4 motors
- Laser pointer



A Min : 330
A Max : 2520



Min : 3,9 x 16
Max : 4,2 x 38



A Min : 30 mm
A Max : 100 mm
B Min : 50 mm
B Max : 125 mm



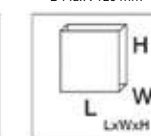
V : 380
kW : 3
A : 8



6-8 bar 250/t/syc



850 kg.



3450 x 2000 x 2020

SPACER

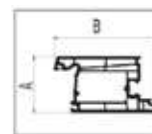
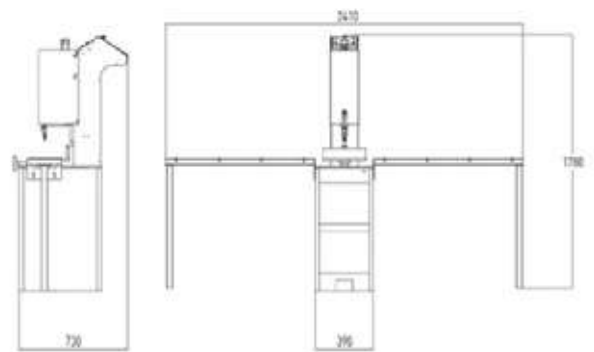
Automatic Reinforcement
Steel Screwdriver



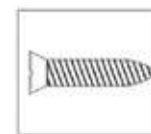
FEATURES

Reinforcement sheet used in door & window production performs the tightening of the screws.

- Pneumatic automatic screw feeding unit
- Automatic screwdriver with press clutch
- Automatic stop after screwing process is completed
- Special screw height adjustment switch
- Automatic clamping of the profile during screwing
- Adjustable supported profile support distance
- Long-lasting bit use and easy replacement
- Average screwing speed: 1.7 sec./piece



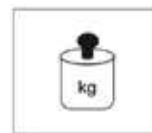
A Min : 40 mm
A Max : 120 mm
B Min : 40 mm
B Max : 120 mm



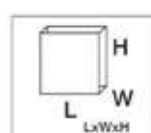
Min : 3,9 x 16
Max : 4,2 x 38



6-8 bar 16/t/syc



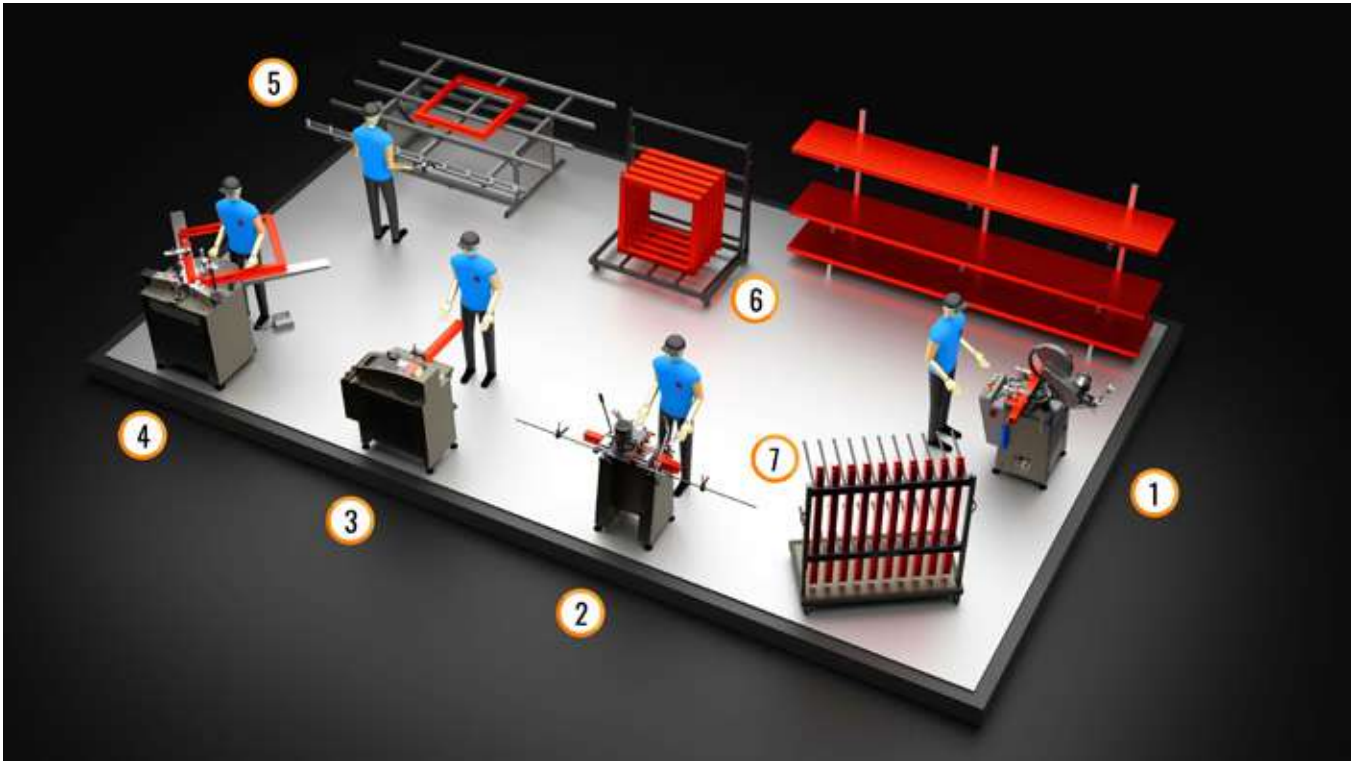
110 kg.



1050 x 500 x 1950

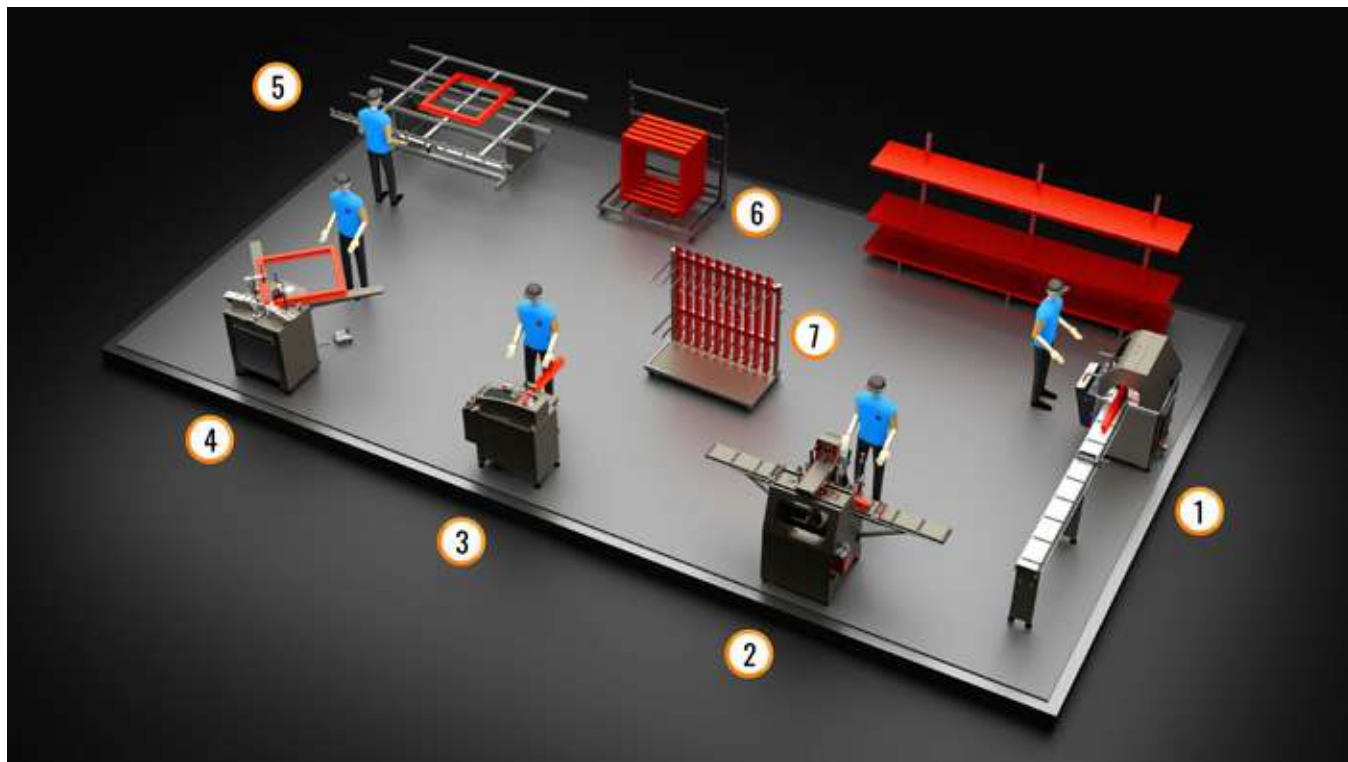
ALUMINUM SETS

An abstract geometric composition featuring several translucent blue cubes and rectangular blocks of varying sizes, arranged in a layered, isometric fashion. The shapes are set against a dark blue gradient background, creating a sense of depth and architectural structure. The lighting highlights the edges and surfaces of the blocks, giving them a three-dimensional appearance.



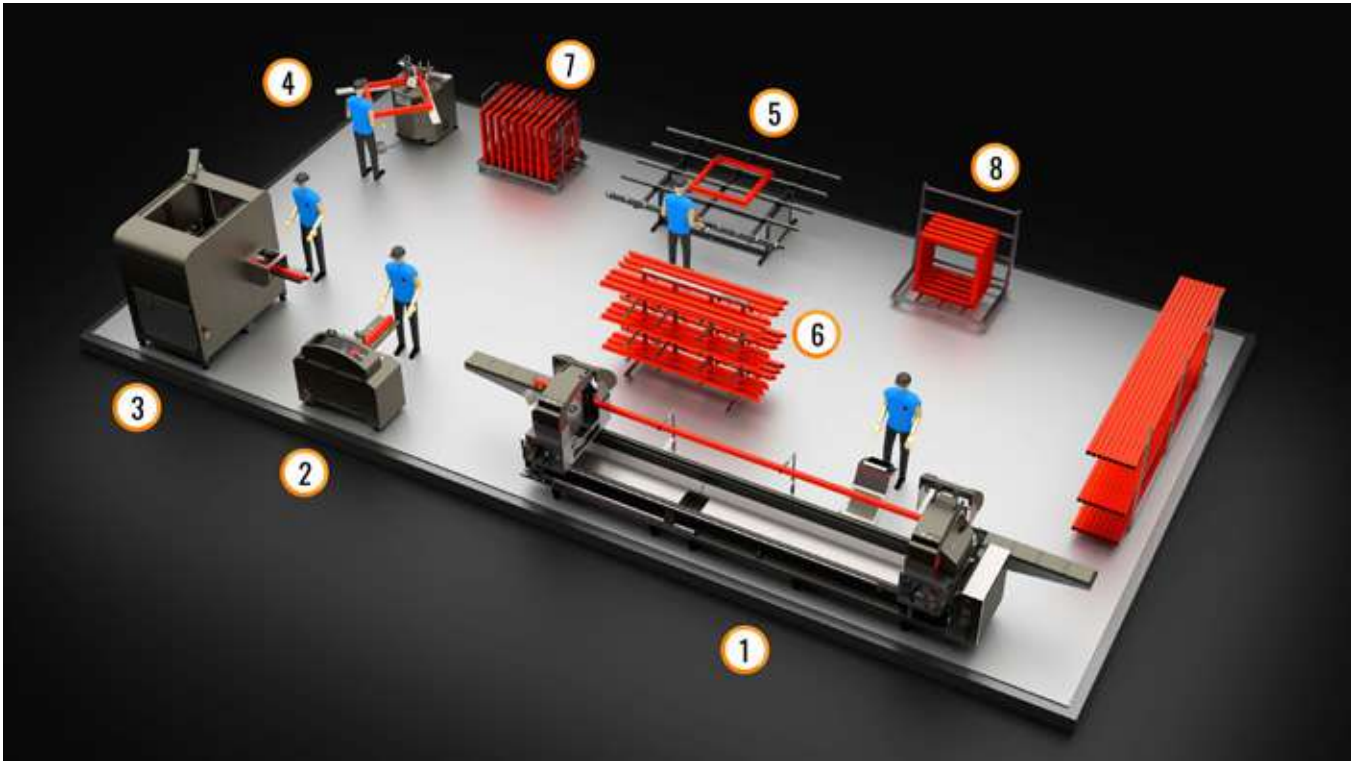
8 Hour shift: 50-60 frames
Operators: 4-5

- 1** **VEGA - II M / VEGA - II**
Automatic Single Head Saw Ø 400 mm
- 2** **GALAXY - I**
Copy Router Machine
- 3** **POLAR - III**
Automatic End Milling Machine
- 4** **APEX - I**
Automatic Hydraulic Aluminum Corner Crimping Machine
- 5** **WT - II**
Assembly Table
- 6** **CART W**
Door and Window Trolley
- 7** **CART V**
Vertical Profile Transport Trolley



8 Hour shift: 60-80 frames
Operators: 4-5

- 1** **METEOR 420 / 500 / 600**
 Automatic Rising Blade Cutting Machine
- 2** **GALAXY - IV**
 Copy Router Machine (3 motors)
- 3** **POLAR - IV**
 Automatic End Milling Machine - Pneumatic Blade Replacement
- 4** **APEX - I A**
 Automatic Hydraulic Aluminum Corner Crimping Machine with Rising Miter
- 5** **WT - II**
 Assembly Table
- 6** **CART W**
 Door and Window Trolley
- 7** **CART V**
 Vertical Profile Transport Trolley



8 Hour shift: 80-100 frames
Operators: 4-5

- 1

GEMINI - V SA
Double Head Front Blade Saw Ø 550 mm
- 2

GARNET Mini
3 Axis NC Compact Processing Center with Copy Router Function
- 3

POLAR - V
Automatic End Milling Machine
- 4

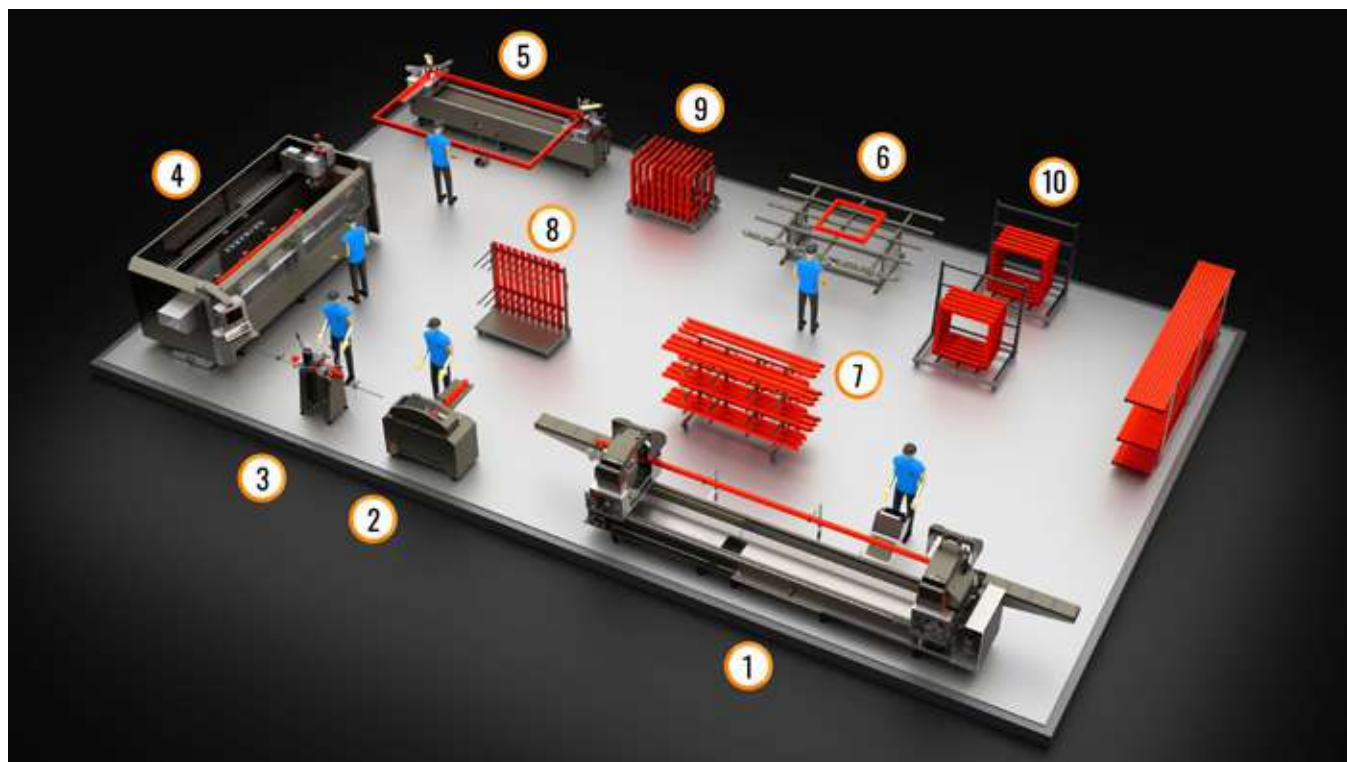
APEX - I A
Automatic Hydraulic Aluminum Corner Crimping Machine with Rising Miter
- 5

WT - II
Assembly Table
- 6

CART H
Horizontal Profile Transport Trolley
- 7

CART C
Window Trolley
- 8

CART W
Door and Window Trolley



8 Hour shift: 100-120 frames
Operators: 5-6

1 GEMINI - V R
 Double Head Front Blade Saw Ø 550 mm

2 GALAXY - I
 Copy Router Machine

3 POLAR - V
 Automatic End Milling Machine

4 GARNET XS4
 CNC Profile Machining Center (4 Axis)

5 APEX - II
 Automatic Hydraulic Double Head Aluminum
 Corner Crimping Machine

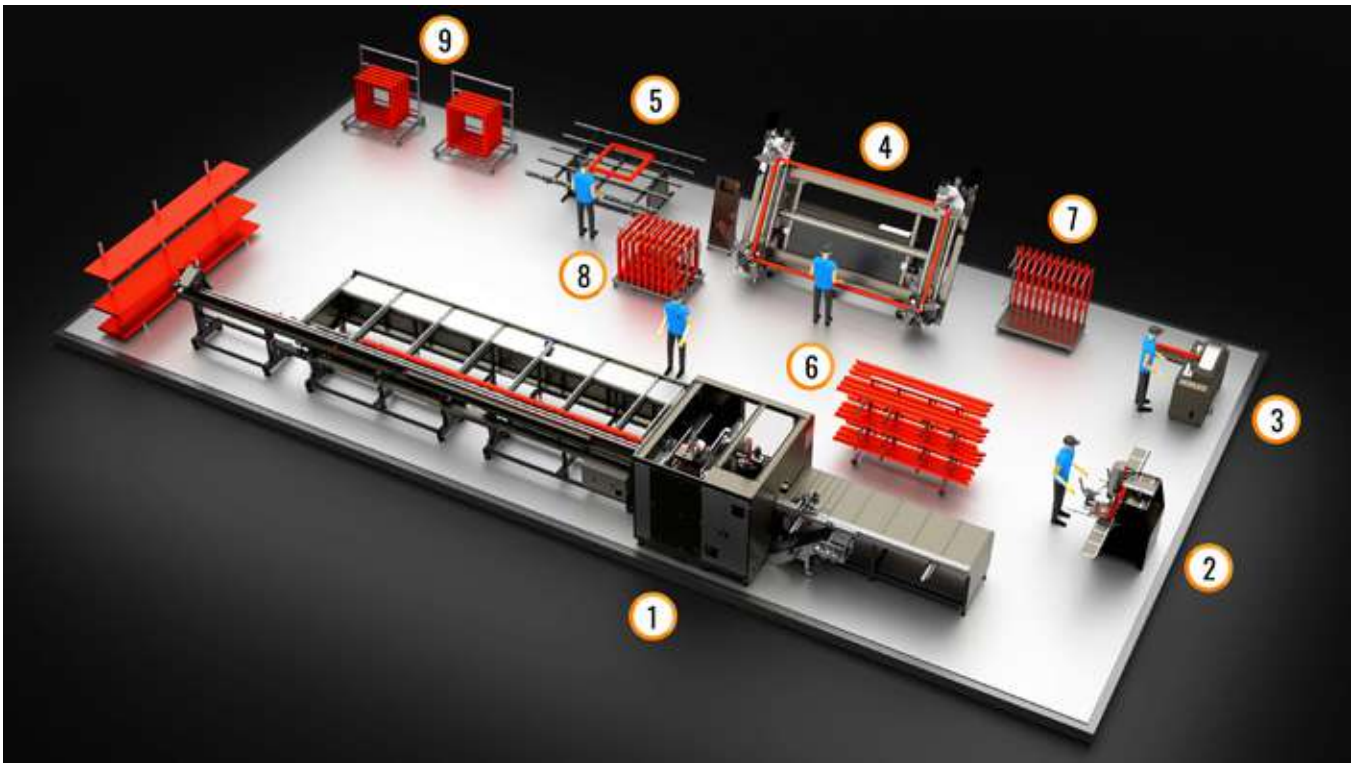
6 WT - II
 Assembly Table

7 CART H
 Horizontal Profile Transport Trolley

8 CART V
 Vertical Profile Transport Trolley

9 CART C
 Window Trolley

10 CART W
 Door and Window Trolley



8 Hour shift: 120-150 frames
Operators: 5-6

1

ALCOR - II C

CNC Profile Machining and Cutting Center (8 Servo Axis)

2

GALAXY - IV

Copy Router Machine (3 motors)

3

POLAR - V

Automatic End Milling Machine

4

APEX - IV

Automatic Hydraulic Four Head Aluminum Corner Crimping Machine

5

WT - II

Assembly Table

6

CART H

Horizontal Profile Transport Trolley

7

CART V

Vertical Profile Transport Trolley

8

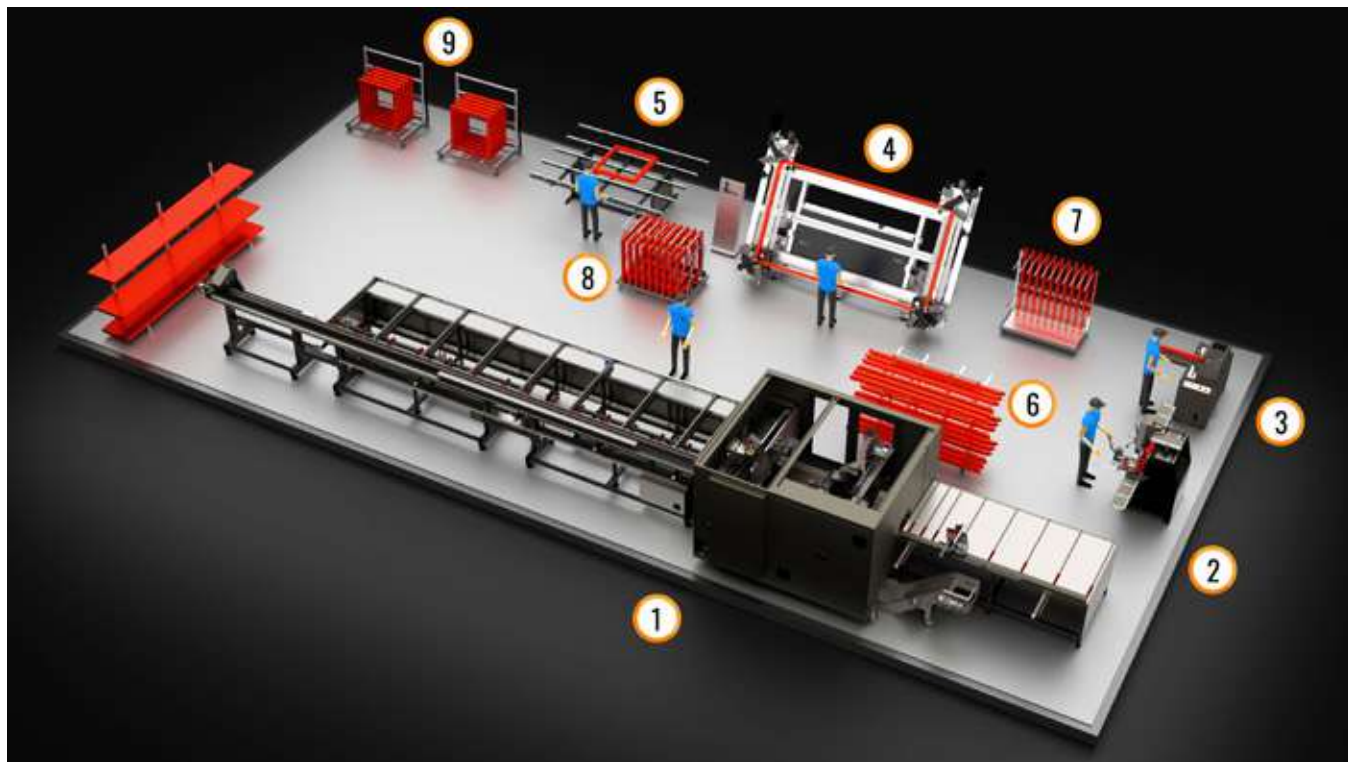
CART C

Window Trolley

9

CART W

Door and Window Trolley



8 Hour shift: 150-170 frames
Operators: 5-6

1 ALCOR - V
 CNC Profile Machining and Cutting Center
 (12 Servo Axis)

2 GALAXY - IV
 Copy Router Machine (3 motors)

3 POLAR - V
 Automatic End Milling Machine

4 APEX - IV
 Automatic Hydraulic Four Head Aluminum Corner
 Crimping Machine

5 WT - II
 Assembly Table

6 CART H
 Horizontal Profile Transport Trolley

7 CART V
 Vertical Profile Transport Trolley

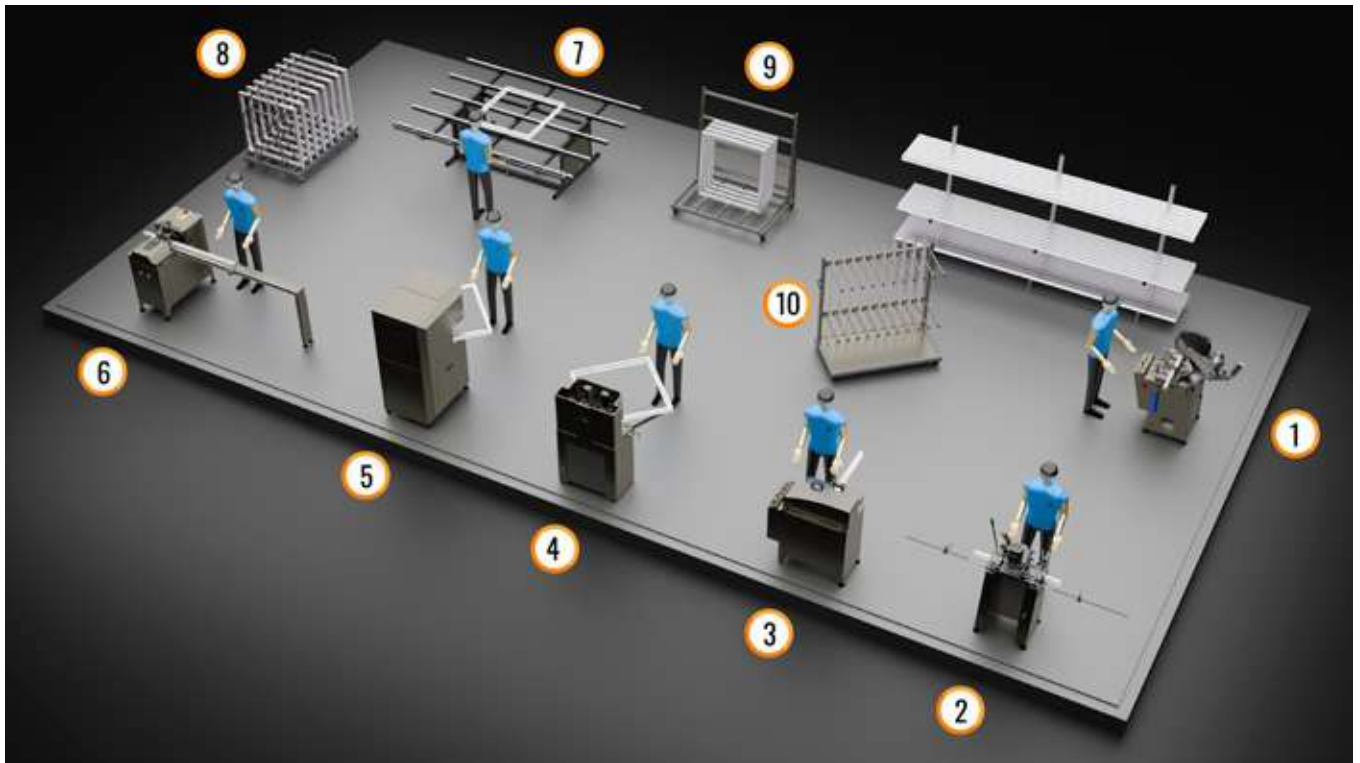
8 CART C
 Window Trolley

9 CART W
 Door and Window Trolley

PVC SETS



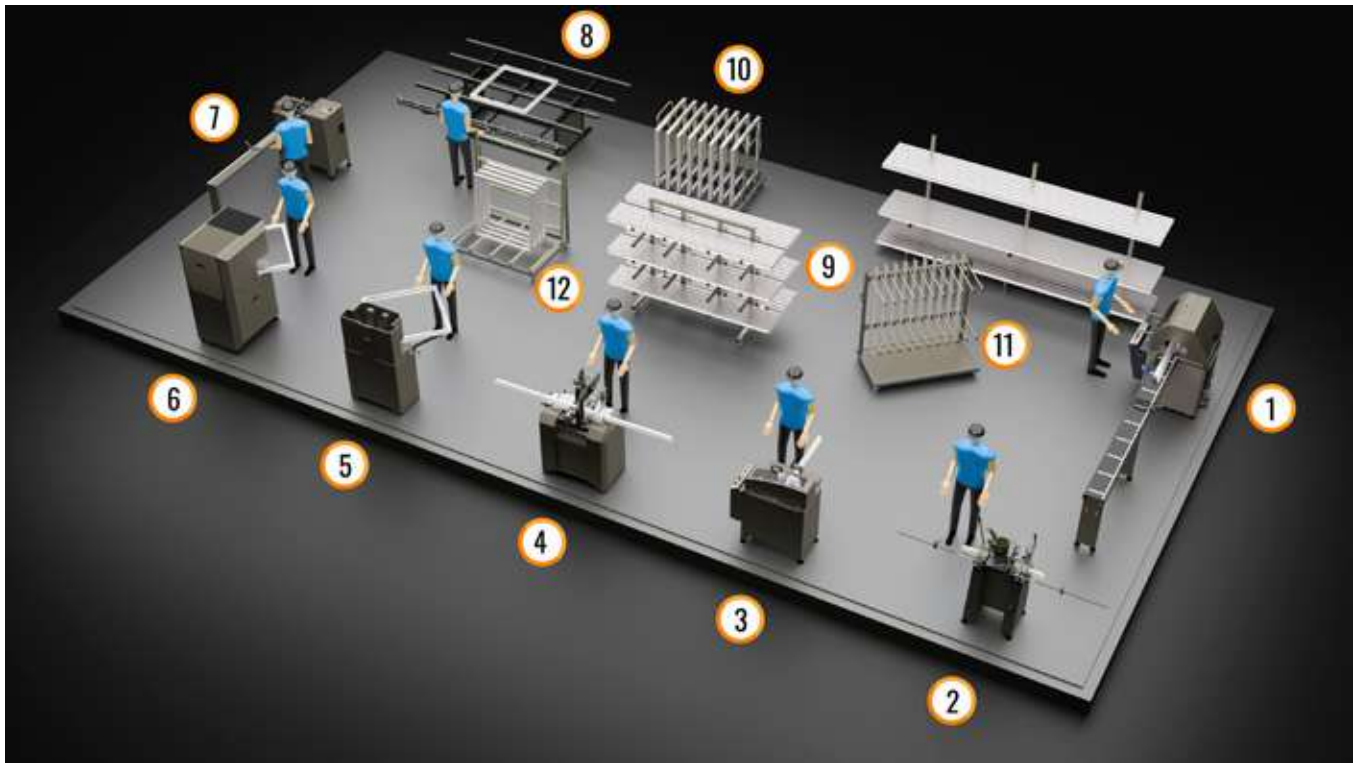
199



8 Hour shift: 60-80 frames
Operators: 4-5

- 1 VEGA - II**
Automatic Single Head Saw Ø 400 mm
- 2 GALAXY - I**
Copy Router Machine
- 3 POLAR - III**
Automatic End Milling Machine
- 4 ORION - I SN**
Automatic Double Head Seamless-Standard PVC Welding Machine
- 5 ORBIT - III**
Semi-Automatic PVC Corner and Surface Cleaning Machine (Single Cutter Set)

- 6 ORCA**
Automatic Saw for PVC Strips
- 7 WT - II**
Assembly Table
- 8 CART C**
Window Trolley
- 9 CART W**
Door and Window Trolley



8 Hour shift: 80-100 frames
Operators: 4-5

1 METEOR 420 / 500 / 600
Automatic Rising Blade Cutting Machine

2 GALAXY - II
Copy Router Machine with Triple Grip Slot Drilling

3 POLAR - IV
Automatic End Milling Machine -
Pneumatic Blade Replacement

4 OMEGA
Automatic Triple Water Discharge Machine

5 ORION - I SN
Automatic Double Head Seamless-Standard
PVC Welding Machine

6 ORBIT - III
Semi-Automatic PVC Corner and Surface
Cleaning Machine (Single Cutter Set)

7 ORCA
Automatic Saw for PVC Strips

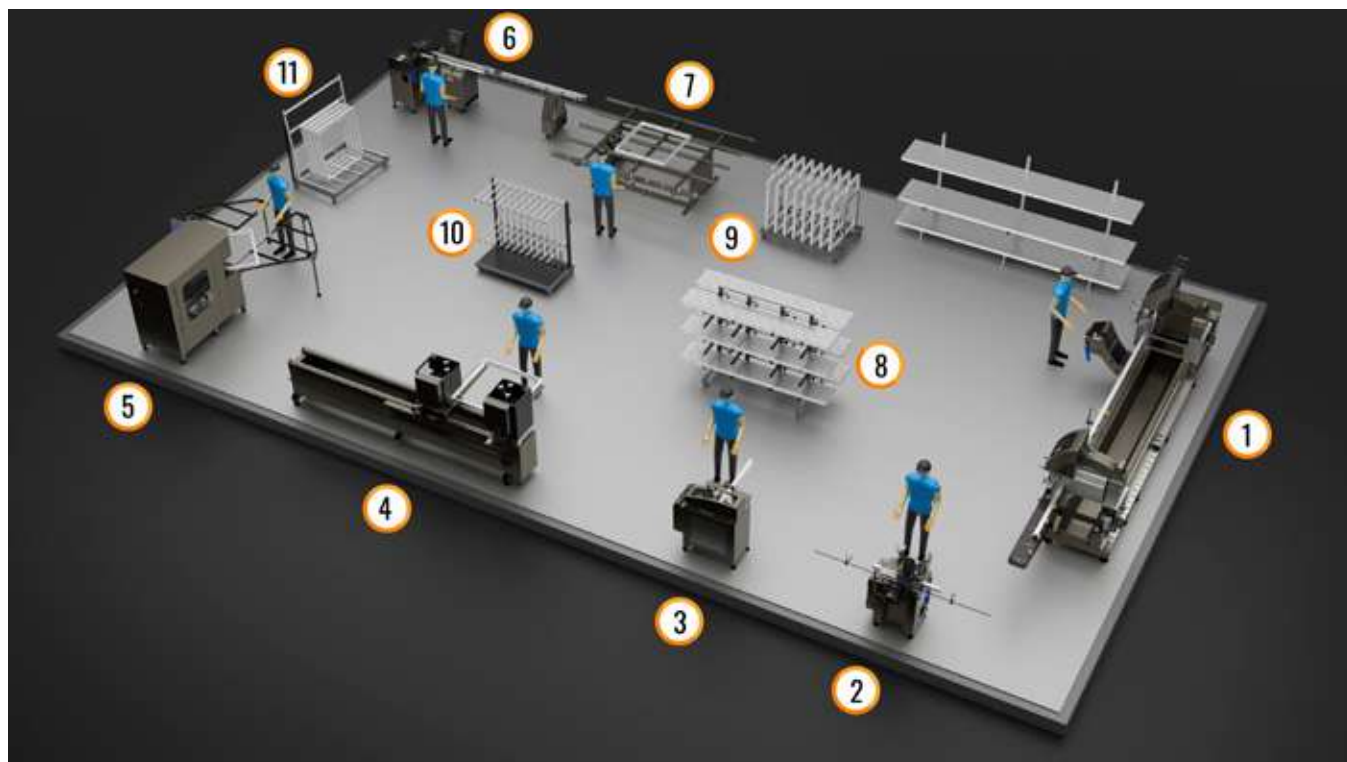
8 WT - II
Assembly Table

9 CART H
Horizontal Profile Transport Trolley

10 CART C
Window Trolley

11 CART V
Vertical Profile Transport Trolley

12 CART W
Door and Window Trolley



8 Hour shift: 170-200 frames
Operators: 5-6

1 GEMINI - IV SA
Double Head Front Blade Saw Ø 450 mm with Automatic positioning and Semi-automatic angle adjustment

2 GALAXY - III
Copy Router Machine with Triple Grip Slot Drilling and Water Discharge

3 POLAR - IV
Automatic End Milling Machine - Pneumatic Blade Replacement

4 ORION - II SN
Automatic Double Head Seamless-Standard PVC Welding Machine

5 ORBIT - IV SA
Automatic PVC Corner and Surface Cleaning Machine (3 Surfaces)

6 ORCA DD
Automatic Saw for PVC Strips with Digital Conveyor

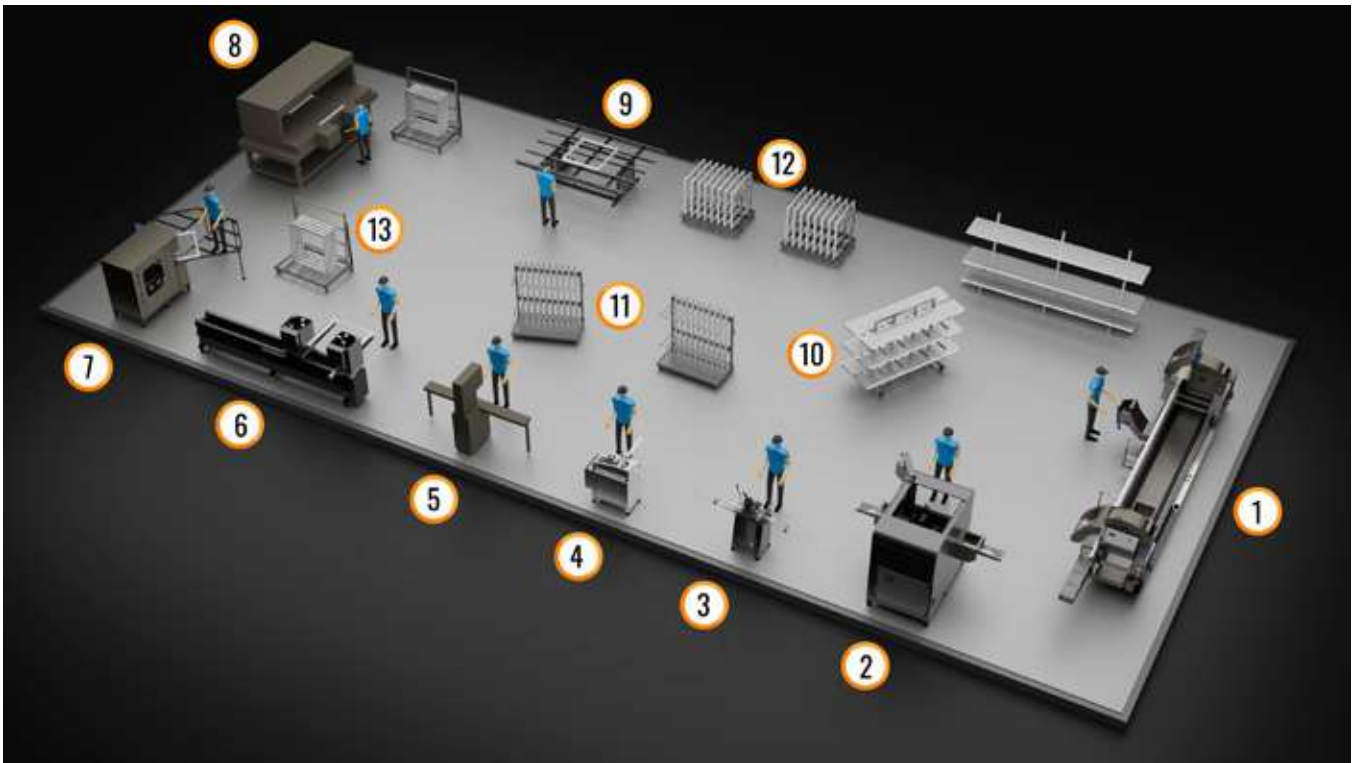
7 WT - II
Assembly Table

8 CART H
Horizontal Profile Transport Trolley

9 CART C
Window Trolley

11 CART V
Vertical Profile Transport Trolley

12 CART W
Door and Window Trolley



8 Hour shift: 220-240 frames
Operators: 5-6

1

GEMINI - IV SA

Double Head Front Blade Saw Ø 450 mm with Automatic positioning and Semi-automatic angle adjustment

2

GARNET Mini

3 Axis NC Compact Processing Center with Copy Router Function

3

GALAXY - I

Copy Router Machine

4

POLAR - IV

Automatic End Milling Machine - Pneumatic Blade Replacement

5

SPACER

Automatic Reinforcement Steel Screwdriver

6

ORION - II SN

Automatic Double Head Seamless-Standard PVC Welding Machine

7

ORBIT - IV SA

Automatic PVC Corner and Surface Cleaning Machine (3 Surfaces)

8

SAS - III

Sash Assembling Station

9

WT - II

Assembly Table

10

CART H

Horizontal Profile Transport Trolley

11

CART V

Vertical Profile Transport Trolley

12

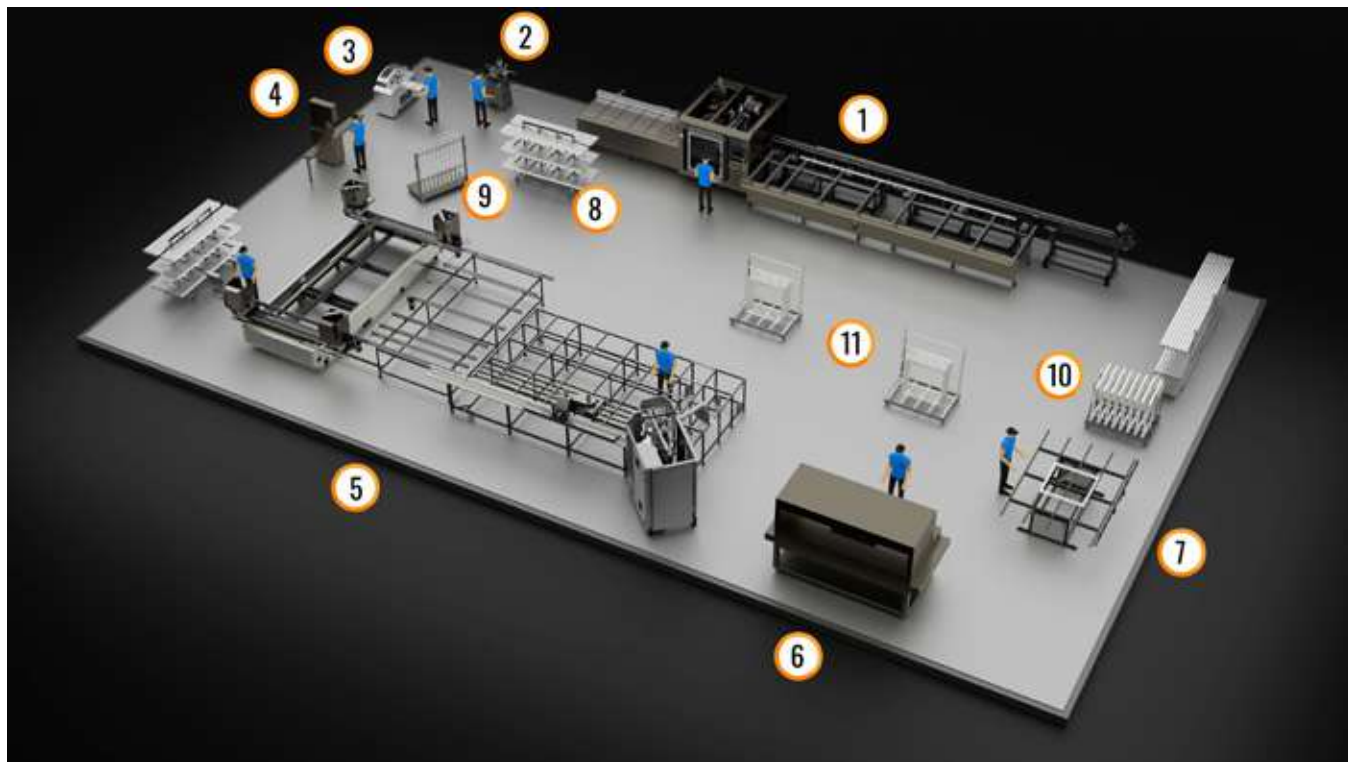
CART C

Window Trolley

13

CART W

Door and Window Trolley



8 Hour shift: 250-280 frames
Operators: 5-6

- | | |
|--|--|
| <div>1</div> ALCOR - II R
CNC Profile Machining and Cutting Center
(8 Servo Axis and 14 Machining Axis for PVC) | <div>7</div> WT - II
Assembly Table |
| <div>2</div> GALAXY - I
Copy Router Machine | <div>8</div> CART H
Horizontal Profile Transport Trolley |
| <div>3</div> POLAR - V
Automatic End Milling Machine | <div>9</div> CART V
Vertical Profile Transport Trolley |
| <div>4</div> SPACER
Automatic Reinforcement Steel Screwdriver | <div>11</div> CART C
Window Trolley |
| <div>5</div> SIRIUS
Automatic PVC Welding and Cleaning Line | <div>12</div> CART W
Door and Window Trolley |
| <div>6</div> SAS - III
Sash Assembling Station | |

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