

# GARNET Mini D

4 Axis NC Compact Processing Center

## 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. Its fourth motor also enables 45° water drainage opening on PVC profiles.

- 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

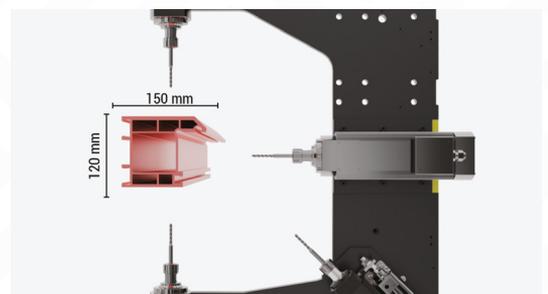
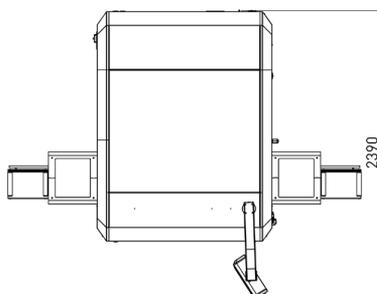
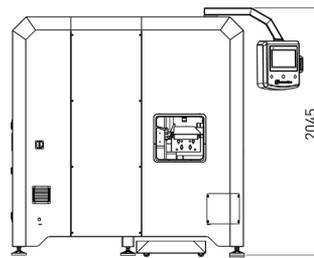
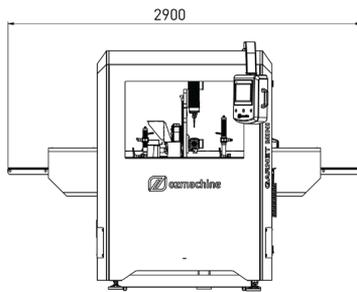


YouTube



WEB

Motor 1				Motor 2			Motor 3				Spindle				Air		Weight	
HP kW	n	Hz	I (230 V)	HP kW	n	Hz	HP kW	n	Hz	I (230 V)	∅ D max.	H	X	Y	Z	Air Pressure	Air Consumption	Gross Net
4 3	18000 r.p.m	300	7 A	0.55	18000 r.p.m	300	1	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



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## 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 Tool cooling system	•
Guard cabin for machining area	•

• Standard    ○ Opsiyonal