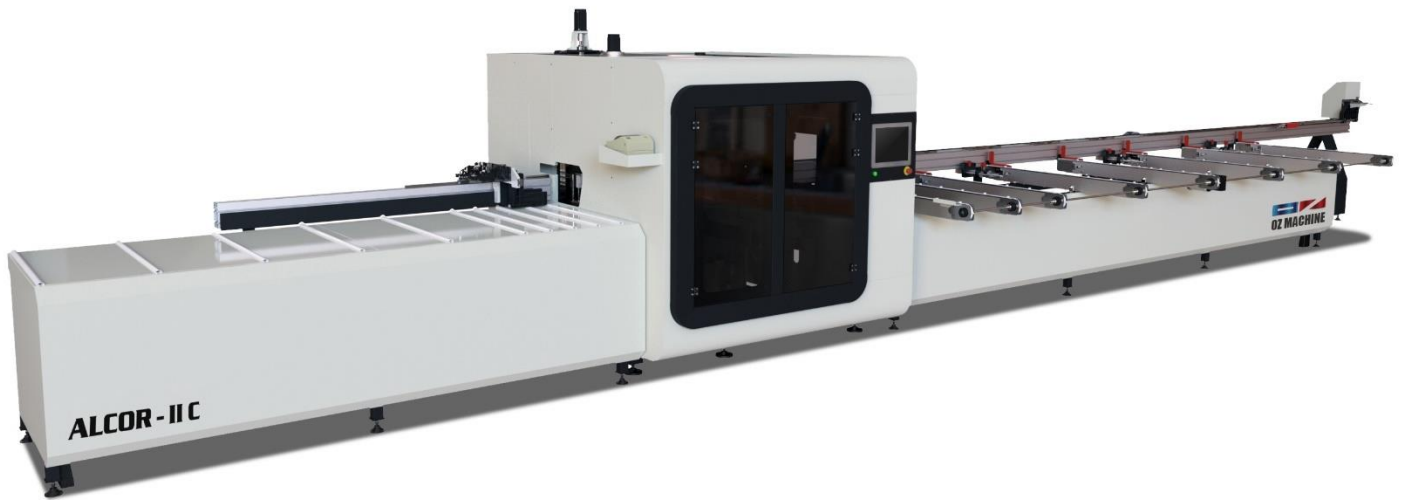


# ALCOR - II C

CNC Controlled Profile Machining and Cutting Center (10 Axis)



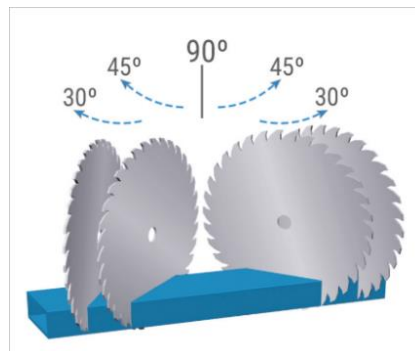
The 10-axis CNC profile machining and cutting center ALCOR - II C has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and marking operations on profiles, and to perform special non-standard operations (punching, channel opening etc.) on different profiles. Thanks to its individually operating units, ALCOR - II C has been designed to offer maximum efficiency in less time.



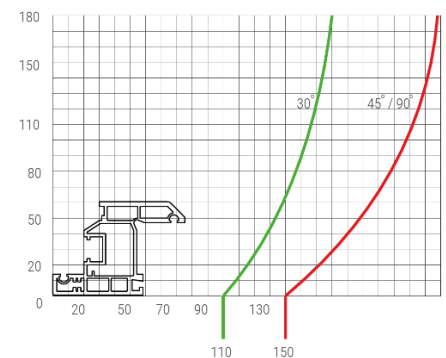
Four air-cooled spindles which are positioned and can process in different angles provide easy and unlimited operation on 4 surfaces of the profile. When upper spindle can be positioned at every angle between  $0^{\circ}$  –  $45^{\circ}$ , frontal spindle can be positioned at every angle between  $45^{\circ}$  –  $135^{\circ}$ .



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  $30^{\circ}$  and  $150^{\circ}$  offers a wide cutting range to users.



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<b>AXIS TRAVEL</b>	
X Axis (Longitudinal)	min 270 mm / max 3000 mm
Y Axis (Lateral)	min 30 mm / max 150 mm
Z Axis (Vertical)	min 30 mm / max 180 mm
SR Axis (Drive robot)	min 1200 mm / max 6500 mm
TZ Axis (Cutting unit vertical movement)	270 mm
TA Axis (Cutting unit rotation)	122°
GrY Axis (Gripper lateral)	117 mm
GrZ Axis (Gripper vertical)	115 mm
A1 Axis (Upper spindle movement)	112°
A2 Axis (Frontal spindle movement)	157°
<b>POSITIONING SPEED</b>	
X Axis (Longitudinal)	64 m/min
Y Axis (Lateral)	64 m/min
Z Axis (Vertical)	40 m/min
TZ Axis (Cutting unit vertical movement)	23 m/min
TA Axis (Cutting unit rotation)	48°/sn
SR Axis (Drive robot)	130 m/min
<b>CUTTING UNIT</b>	
Cutting angles span	30° / 150°
Saw blade diameter	550 mm
Maximum profile cutting dimensions at 90° (width / height)	150 mm / 180 mm
Saw blade motor power	3kW - 4HP
<b>MILLING UNIT</b>	
Upper spindle rotation	0° / 45°
Frontal spindle rotation	45° / 135°
Fan cooling spindles	4
Maximum power	3 kW
Maximum speed	18000 rpm
Tool holder	ER 20
Maximum number of machining units	4
<b>LOADING AND UNLOADING UNIT</b>	
Minimum profile loading length	1200 mm
Maximum profile loading length	6500 mm
Minimum profile unloading length	270 mm
Profile loading capacity	10
Automatic chip discharge conveyor unit	●
<b>GRIPPER AXES TRAVEL</b>	
GrY Axis (Lateral) min. / max.	20 mm / 117 mm
GrZ Axis (Vertical) min. / max.	20 mm / 115 mm
<b>CONTROL UNIT</b>	
Industrial PC - Touchscreen	15"
Remote access	●
Data transfer via remote network connection, Ethernet and USB	●
Barcode writer	●
Compatible with optimized cutting and machining list data	●
Compatibility with CAM programs	○
<b>OPERATIONAL AREA</b>	
Automatic clamp positioning on X-axis	●
Automatic lubrication in processing area	●
Guard cabin for machining area	●

● Included      ○ Optional

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