

ALCOR - II R

CNC Controlled PVC Profile Machining and Cutting Center (8 Axis - 14 Machining Axis)

ÖZ MACHINE

PVC



The 8-axis CNC processing center ALCOR - II R has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and branding operations on PVC profiles, and to perform special non-standard operations (punching, channel opening etc.) on different profiles. Thanks to its individually operating units, ALCOR - II R has been designed to offer maximum efficiency in less time.

01 With its 13 fan cooled spindle motors, triple grip slot opening motor and saw blade motor ALCOR - II R can perform 15 different operations simultaneously and facilitates performance of operations without any limits on 4 different surfaces of the profile.

02 Thanks to the feeding capacity of 7 profiles, the conveyor structure enables batch processing, letting the machine to be used in the most efficient manner.

03 Özçelik project engineers who are aware of the importance of material savings, developed ALCOR - II R with structural and software features which allow the users to minimize waste.

04 The cutting unit with a 500 mm diameter saw blade for cutting at every angle between 30° and 150° offers a wide cutting range to users.

05 By combining mechanical capabilities with control systems, the machine produces fast and effective solutions with the user-friendly interface.

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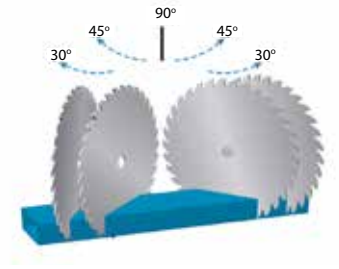
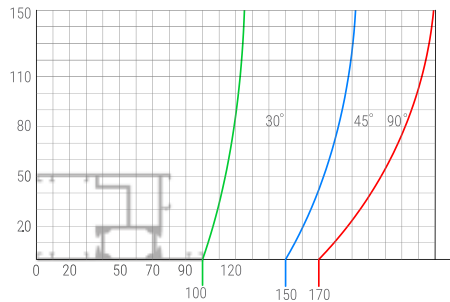
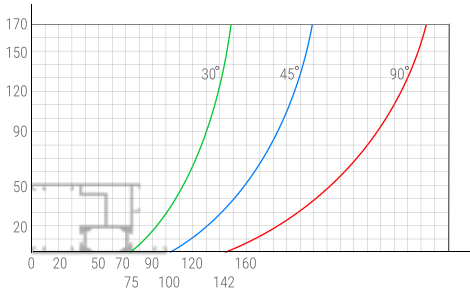
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FEATURES

Used for cutting, milling, punching and marking processes on 4 surfaces of PVC profiles.

- » Precision cutting at any angle between 30° and 150°
- » Ø 500 mm saw blade
- » Ability to reprocess waste pieces longer than 800 mm for new production
- » Waste-free cutting
- » Touchscreen
- » Data transfer over remote network connection, Ethernet and USB
- » Remote access
- » Ability to process 4 different surfaces of a profile
- » High speed axis movements
- » Pneumatic system maintenance unit
- » High cutting and processing capacity increasing efficiency
- » Automatic lubrication system
- » Ability to use cutting and processing units independently



OPERATIONAL EQUIPMENT

- » Automatic profile clamping system (processing area)
- » Automatic profile clamping system (cutting area)
- » Automatic mobile clamping system
- » Profile input unit (up to 150 x 170 x 6500 mm)
- » Profile output unit (up to 150 x 170 x 4000 mm)
- » USB port
- » Ethernet connection
- » Cabinet providing protection in the processing area
- » Cabinet illumination
- » Ø 500 mm saw blade
- » Feeding capacity for 7 profiles
- » Sawdust discharge unit
- » Barcode printer
- » Optional length for input and output conveyors



○ Optional

● Included

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AXIS DISTANCES

X Axis (Longitudinal)	400 mm
Y Axis (Lateral)	390 mm
Z Axis (Vertical)	300 mm
TA Axis (Saw Angle)	30° / 150°
SR Axis (Drive Robot)	max. 6500 mm

POSITIONING SPEED

X Axis (Longitudinal)	60 m/min
Y Axis (Lateral)	60 m/min
Z Axis (Vertical)	60 m/min
TZ Axis (Saw Vertical)	60 m/min
TA Axis (Saw Angle)	45°/sec
SR Axis (Drive Robot)	60 m/min

SPINDLE

Fan-cooled Electro-spindle	13 pcs
Max. Rotation Speed	18000 rpm
Tool Holder	ER 20
Spindle Power	1.1kW

AIR

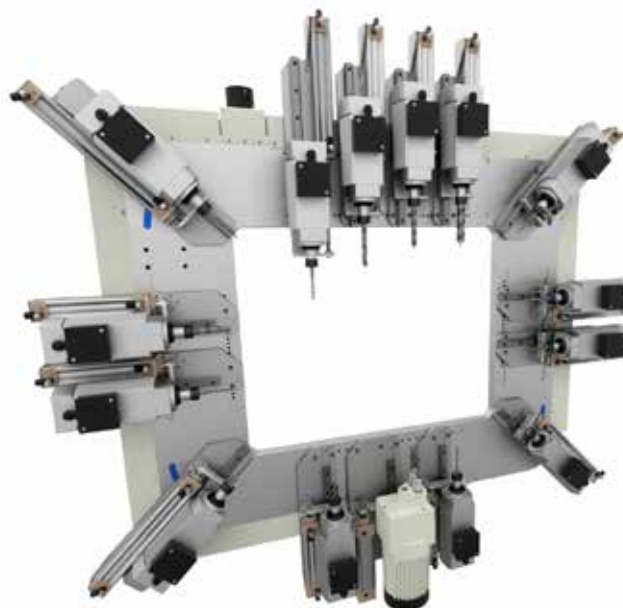
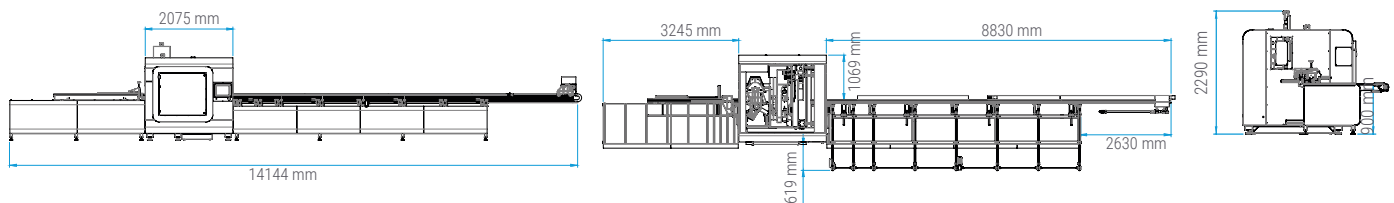
Pressure	6-8 Bar
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CUTTING UNIT

Saw Blade Diameter	500 mm
Saw Blade Rotation Angle	30° / 150°
Saw Blade Motor Power	3kW - 4HP

ELECTRICAL

Power	36.1 kVA
Current	54.7A
Voltage	380V 3N PE AC
Frequency	50-60 Hz



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CUTTERS

