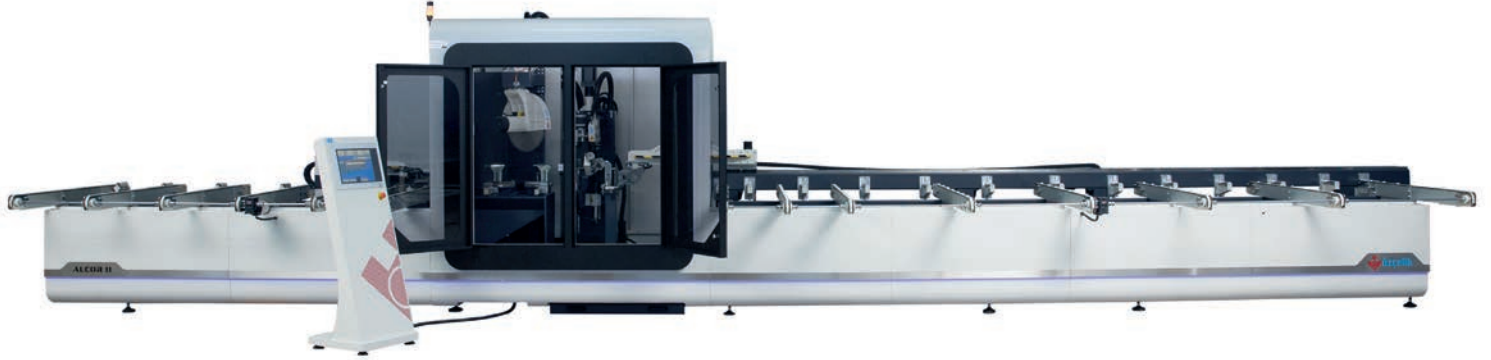


# ALCOR - II C

CNC Controlled Profile Machining Center (9 Axis)

ÖZ MACHINE

ALU PVC



The 9-axis CNC processing center ALCOR - II C has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and branding 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.

01

Four air-cooled spindles which are positioned and can process in different angles provide easy and unlimited operation on 4 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 C 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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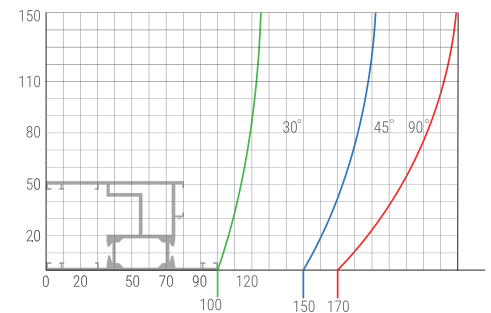
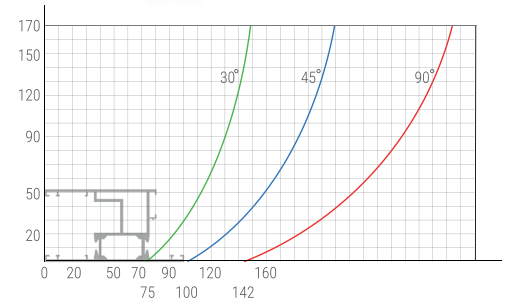
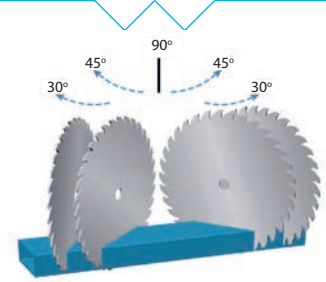
ÖZ MACHINE

ALU PVC

## FEATURES

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

- » CNC based control system
- » Feeding capacity for 7 profiles
- » Precision cutting at any angle between 30° and 150°
- » Ø 500 mm saw blade
- » Ability to reprocess waste pieces longer than 2000 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 ●
- » Safety shielding system preventing access to processing area ●
- » Cabinet providing protection in the processing area ●
- » Cabinet illumination ●
- » Ø 500 mm saw blade ●
- » FRL ●
- » Feeding capacity for 7 profiles ●
- » Barcode printer ○
- » Metal fences protecting both sides of the machine ○
- » Sawdust discharge unit ○
- » Apparatus matching the profile ○
- » Optional length for input and output conveyors ○

○ Optional

● Included

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ALU PVC

## AXIS DISTANCES

X Axis (Longitudinal)	400 mm
Y Axis (Lateral)	495 mm
Z Axis (Vertical)	485 mm
TA Axis (Saw Angle)	30° / 150°
SR Axis (Drive Robot)	max. 6500 mm

## POSITIONING SPEED

X Axis (Longitudinal)	80 m/min
Y Axis (Lateral)	80 m/min
Z Axis (Vertical)	80 m/min
TZ Axis (Saw Vertical)	60 m/min
TA Axis (Saw Angle)	45°/sec
SR Axis (Drive Robot)	60 m/min

## SPINDLE

Air - Cooled	4 pcs
Max. Rotation Speed	24000 rpm
Tool Holder	ER 20
Spindle Power	3.2kW

## 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	36.7 kVA
Current	52.2A
Voltage	380V 3N PE AC
Frequency	50-60 Hz

