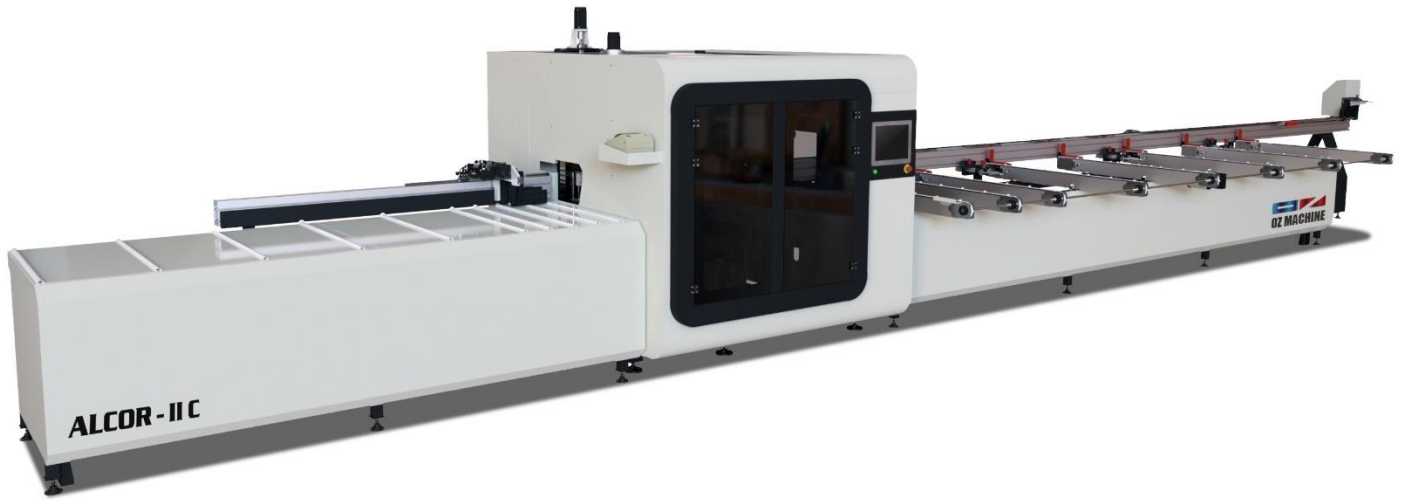


# ALCOR - II C

CNC Controlled Profile Machining and Cutting Center (10 Axis)



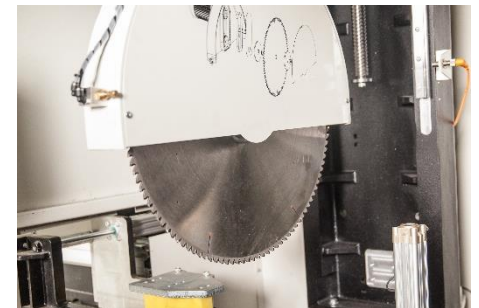
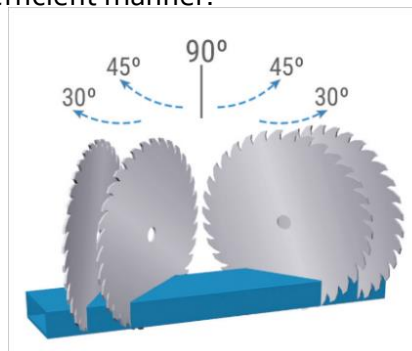
The 10-axis CNC profile machining and cutting center ALCOR - II C has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and marking operations on profiles, and to perform special non-standard operations (punching, channel opening etc.) on different profiles. Thanks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



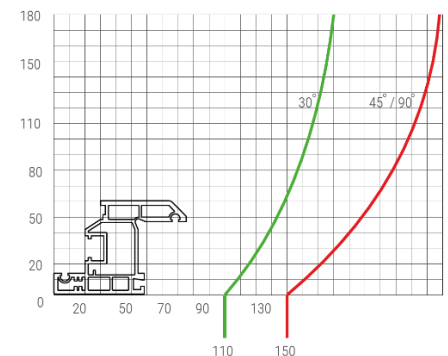
Four air-cooled spindles which are positioned and can process in different angles provide easy and unlimited operation on 4 surfaces of the profile. When upper spindle can be positioned at every angle between  $0^{\circ}$  –  $45^{\circ}$ , frontal spindle can be positioned at every angle between  $45^{\circ}$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



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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### AXIS TRAVEL

X Axis (Longitudinal)	320 mm
Y Axis (Lateral)	485 mm
Z Axis (Vertical)	386 mm
SR Axis (Drive robot)	8300 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°

### POSITIONING SPEED

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

### CUTTING UNIT

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

### MILLING UNIT

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

### LOADING AND UNLOADING UNIT

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	●

### GRIPPER AXES TRAVEL

GrY Axis (Lateral) min. / max.	20 mm / 117 mm
GrZ Axis (Vertical) min. / max.	20 mm / 115 mm

### CONTROL UNIT

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	○

### OPERATIONAL AREA

Automatic clamp positioning on X-axis	●
Automatic lubrication in processing area	●
Guard cabin for machining area	●

● Included

○ Optional