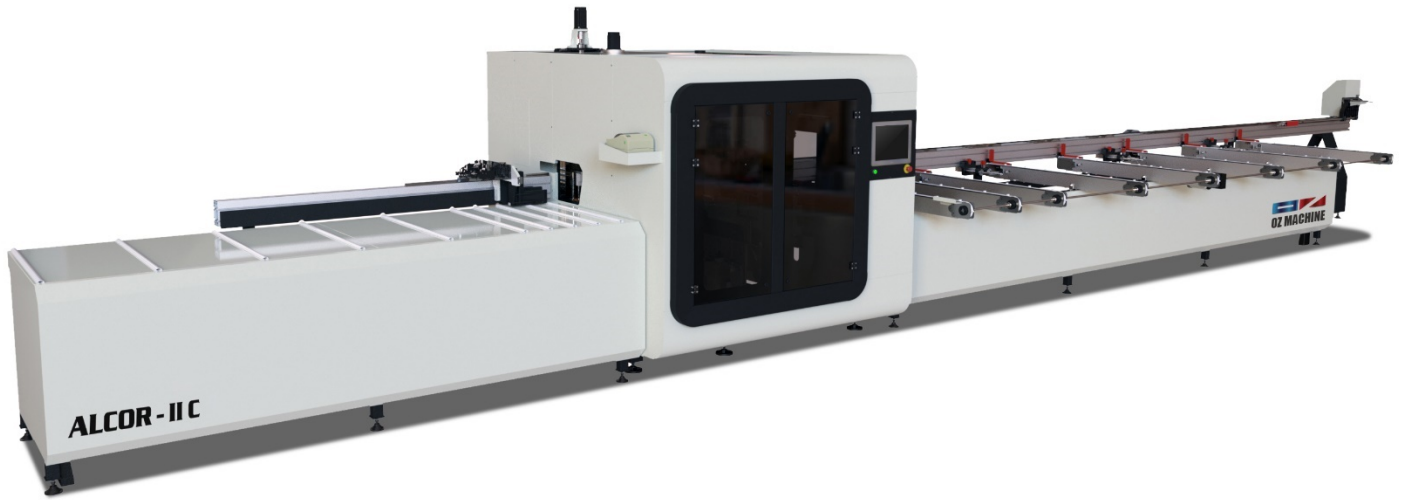
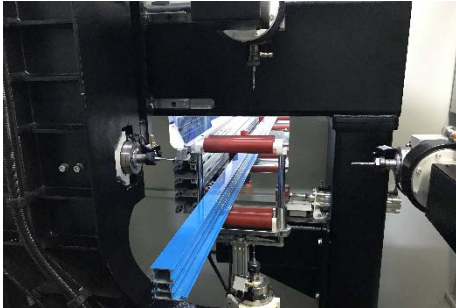


ALCOR - II C

CNC Controlled Profile Machining and Cutting Center (10 Axis)



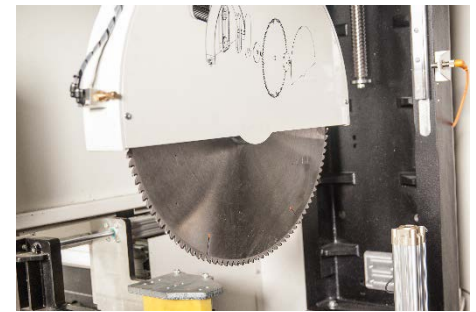
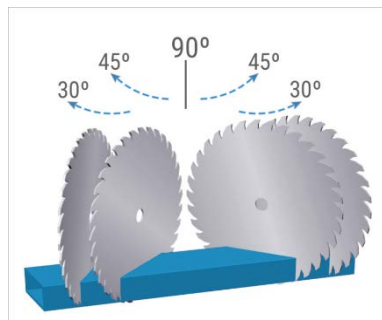
The 10-axis CNC profile machining and cutting center ALCOR - II C has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and marking operations on profiles, and to perform special non-standard operations (punching, channel opening etc.) on different profiles. Thanks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



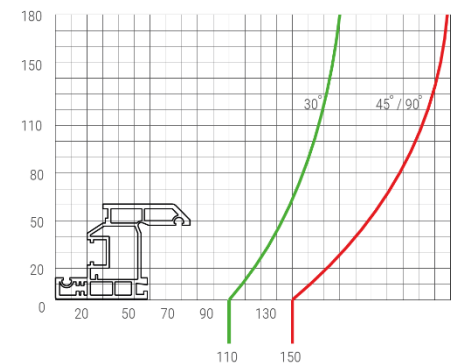
Four air-cooled spindles which are positioned and can process in different angles provide easy and unlimited operation on 4 surfaces of the profile. When upper spindle can be positioned at every angle between 0° – 45° , frontal spindle can be positioned at every angle between 45° – 135° .



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.



The cutting unit with a 550 mm diameter saw blade for cutting at every angle between 30° and 150° offers a wide cutting range to users.



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AXIS TRAVEL

X Axis (Longitudinal)	360 mm
Y Axis (Lateral)	485 mm
Z Axis (Vertical)	415 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)	67°
A2 Axis (Frontal spindle movement)	94°

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	700 mm
Maximum profile loading length	6500 mm
Minimum profile unloading length	270 mm
Profile loading capacity	7
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