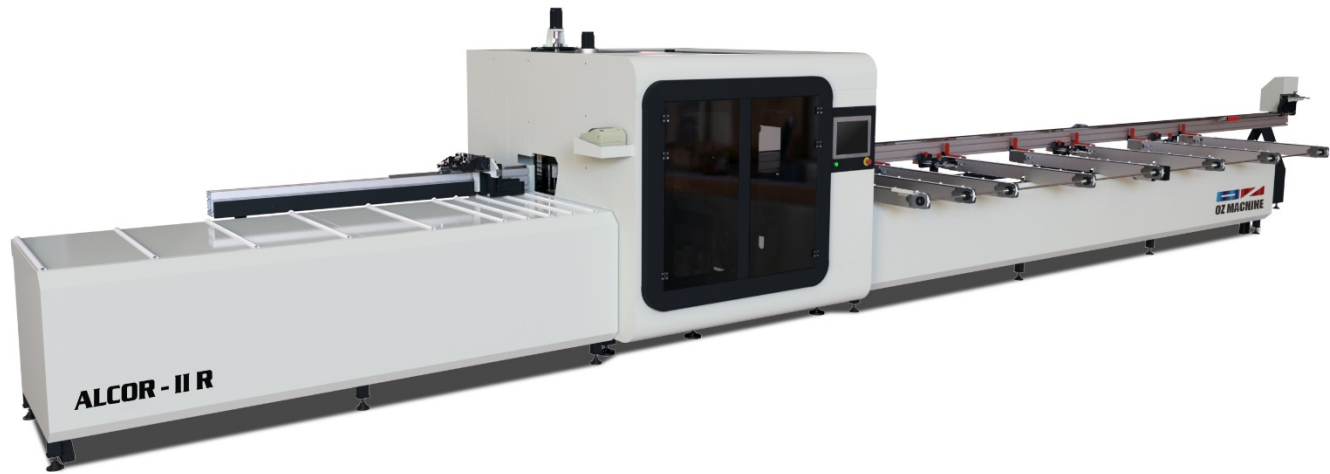
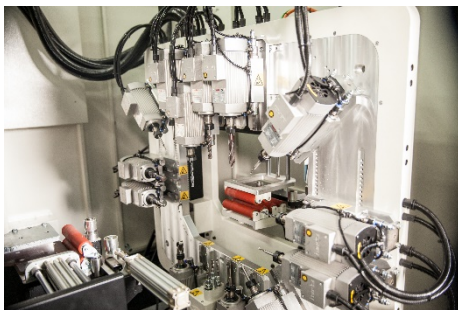


ALCOR - II R

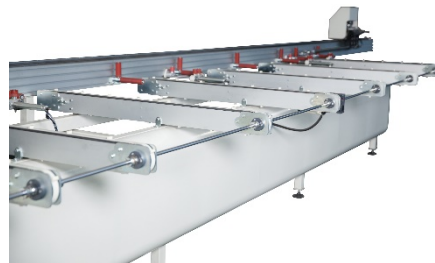
CNC Controlled PVC Profile Machining and Cutting Center
(8 Axis - 14 Machining Axis)



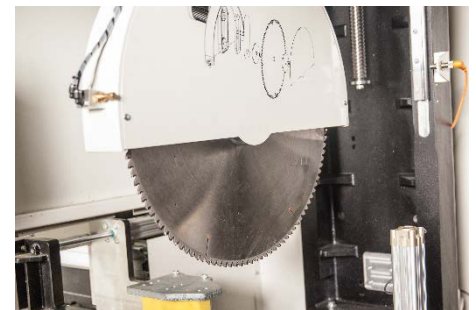
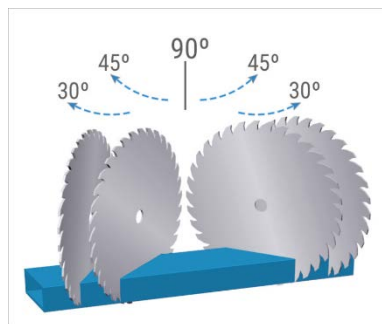
The 8-axis CNC profile machining and cutting center ALCOR - II R has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and marking operations on PVC profiles. Thanks to its 14 machining and individually operating units, ALCOR - II R has been designed to offer maximum efficiency in less time.



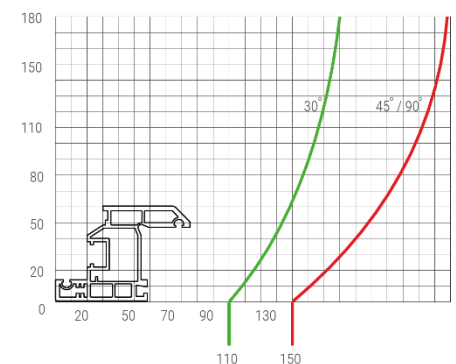
With its 13 fan cooled spindle motors, triple grip slot opening motor and saw blade motor ALCOR - II R can perform 15 different operations simultaneously and facilitates performance of operations without any limits on 4 different surfaces of the profile.



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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ALCOR - II R

CNC Controlled PVC Profile Machining and Cutting Center

(8 Axis - 14 Machining Axis)



AXIS TRAVEL

X Axis (Longitudinal)	360 mm
Y Axis (Lateral)	426 mm
Z Axis (Vertical)	210 mm
SR Axis (Drive robot)	8020 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

POSITIONING SPEED

X Axis (Longitudinal)	64 m/min
Y Axis (Lateral)	30 m/min
Z Axis (Vertical)	30 m/min
TZ Axis (Cutting unit vertical movement)	23 mm
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

Fan cooling spindles	13
Maximum power	1.1 kW
Maximum speed	18000 rpm
Tool holder	ER 20
Special design motor for 3ple grip slot drilling	1
Maximum power / speed	0.55 kW / 1400 rpm
Drill diameters	10 mm / 12 mm / 10 mm
Maximum number of machining units	14

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

Touchscreen	15" HMI
Remote access	●
Data transfer via remote network connection, Ethernet and USB	●
Barcode writer	●
Compatible with optimized cutting and machining list data	●

OPERATIONAL AREA

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

● Included

○ Optional



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