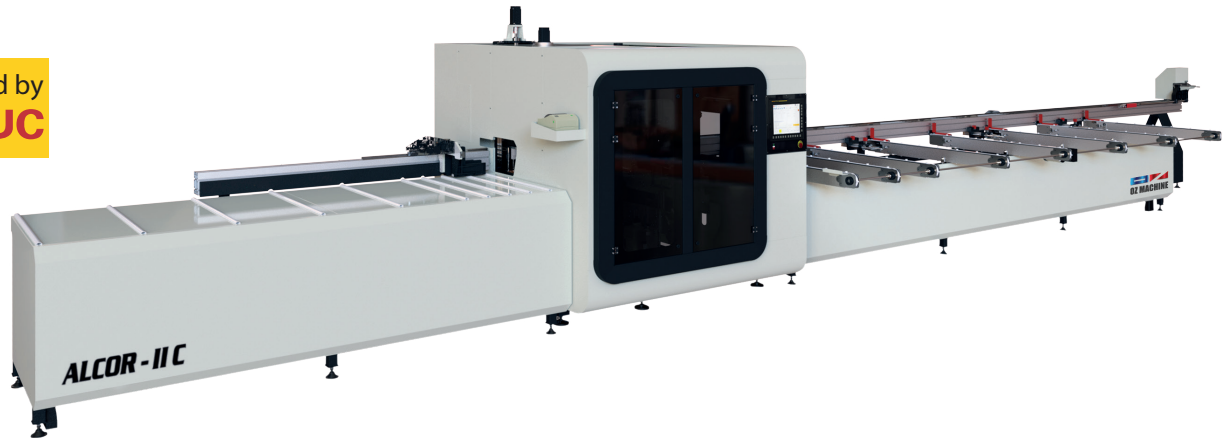


# ALCOR – II C

CNC Profile Machining and Cutting Center (8 Axis)

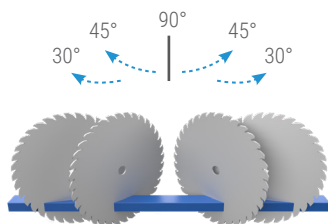
Operated by  
**FANUC**



The 8-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.



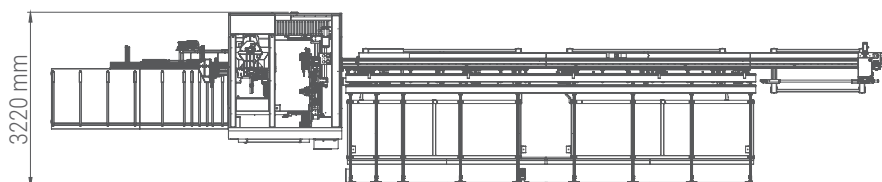
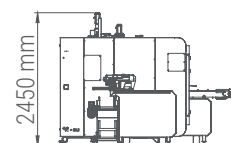
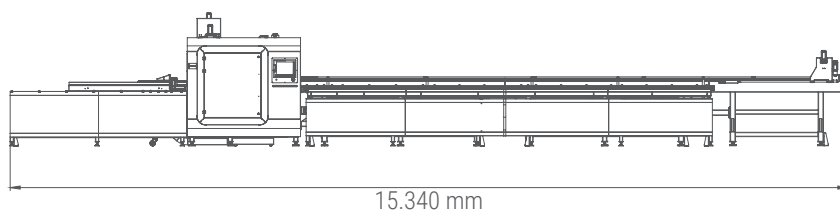
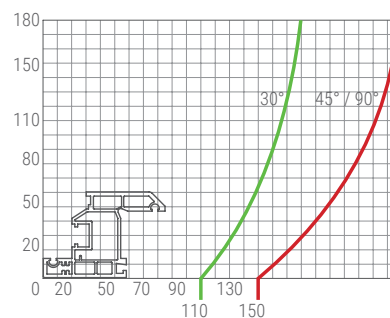
7 units of fan cooled spindle motors that can function and be positioned as different angles enables an unlimited operational capability on 4 surfaces of the profile. Due to the 7 separate spindles, the unit provides flexibility of processing on profile by processing between angles between 0° and 135°.



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° and 150° offers a wide cutting range to users.



## AXIS TRAVEL

X Axis (Longitudinal)	320 mm
Y Axis (Lateral)	485 mm
Z Axis (Vertical)	386 mm
SR Axis (Drive robot)	min. 700 mm / max. 7500 mm
TZ Axis (Cutting unit vertical movement)	270 mm
TA Axis (Cutting unit rotation)	120°

## POSITIONING SPEED

X Axis (Longitudinal)	40 m/min
Y Axis (Lateral)	60 m/min
Z Axis (Vertical)	60 m/min
TZ Axis (Cutting unit vertical movement)	42 m/min
TA Axis (Cutting unit rotation)	166°/sec
SR Axis (Drive robot)	90 m/min

## AIR

Pressure	6-8 Bar
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## ELECTRICAL

Max. Power	31.35 kW
Voltage	400V 3N PE AC
Frequency	50-60 Hz

## CUTTING UNIT

Cutting angles span	30° / 150°
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP

## MILLING UNIT

Fan cooling spindles	7
Spindle power	3 kW
Maximum speed	18.000 rpm
Tool holder	ER 20

## LOADING AND UNLOADING UNIT

Minimum profile loading length	1200 mm
Maximum profile loading length	7500 mm
Minimum profile unloading length (90° - 90°)	270 mm
Profile loading capacity	10
Automatic chip discharge conveyor unit	●
Belt exit conveyor	○

## GRIPPER AXIS TRAVEL

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

## CONTROL UNIT

Industrial PC - Touch Screen	15"
Data transfer over remote network connection, Ethernet and USB	●
Barcode writer	●
Compatible with optimized cutting and machining list data	●
Compatibility with CAM programs	○
Camquix CAM software	●

## OPERATIONAL AREA

Automatic clamp positioning on X-axis	●
Automatic lubrication in processing area	●
Cabinet providing protection in processing zone	●
FESTO pneumatic system	○

● Standard ○ Optional