

ALCOR - I

CNC Profile Cutting Center (5 Servo Axis)

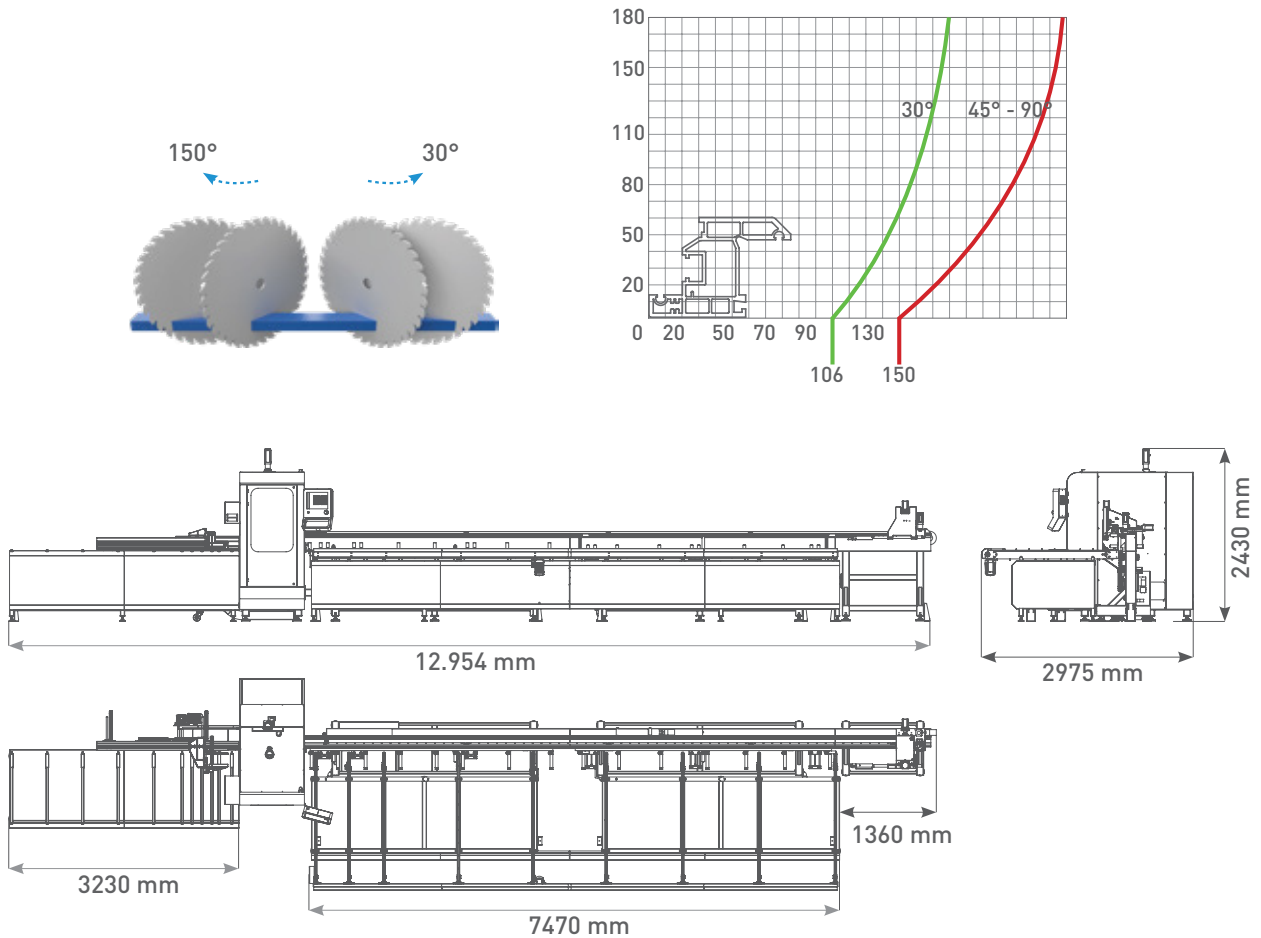


YouTube



WEB

The 5 servo axis CNC profile cutting center ALCOR - I is designed to cut profiles made of aluminum, PVC and all kinds of light alloy profiles. 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. 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.





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AXIS TRAVEL

Z2 Axis (Cutting unit vertical movement)	260 mm
C2 Axis (Cutting unit rotation)	120°
XL Axis (Drive robot)	min. 700 mm / max. 7500 mm

POSITIONING SPEED

Z2 Axis (Cutting unit vertical movement)	42 m/min
C2 Axis (Cutting unit rotation)	166°/sec
XL Axis (Drive robot)	90 m/min

ELECTRICAL

Max. Power	6.75 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

LOADING AND UNLOADING UNIT

Minimum profile loading length	700 mm
Maximum profile loading length	7500 mm
Minimum profil unloading length (90° - 90°)	270 mm
Profil loading capacity	10
Automatic chip discharge conveyor unit	•

GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 150 mm
ZL Axis (Vertical) min. / max.	20 mm / 140 mm

CONTROL UNIT

Industrial PC - Touch Screen	15"
LS automation package	•
Oz Machine Softcut	•
Data transfer over remote network connection, Ethernet and USB	•
Barcode writer	•
Compatibility with optimization programs	•
FANUC automation package	○
Electrical Panel Cooler	○

OPERATIONAL AREA

Automatic lubrication in processing area	•
Guard cabin for cutting area	•
FESTO pneumatic system	○
Air Tank	○
X Axis (Gripper) Automatic Lubrication System	○
Automatic lubrication system for X, Y and Z axes	•

• Standard ○ Optional