

**CAPACITY
ACCURACY**



ALCOR V

**12 Servo Axis
CNC Profile Machining
and Cutting Center**

1 Excellent Productivity

2 Wide range of capacity

3 Flexibility

4 Accurate Processing

Powerful Robot

Long Life Operation

No Additional Cost

5

6

7

Automation by
FANUC



- **Excellent Productivity**

Ability to process more profiles thanks to high-speed axis that surpass standard industry speed. X1 – 40 m / min, Y1- 40 m/ min, Z1 – 40 m / min.

- **Wide range of capacity**

Thanks to its 550 mm saw and 5 axes, it can easily cut profiles of 300 mm width and 165 mm height.

- **Flexibility**

Ability to perform all operations on 4 surfaces of the profile thanks to 8 fan-cooled spindles that can be positioned in different places.

- **Accurate Processing**

With the servo control processing unit, we ensure accurate profile processing every time and with FANUC, the world leader in automation, faultless results are achieved in all processes. World Wide Fanuc Warranty.

- **Powerful Robot**

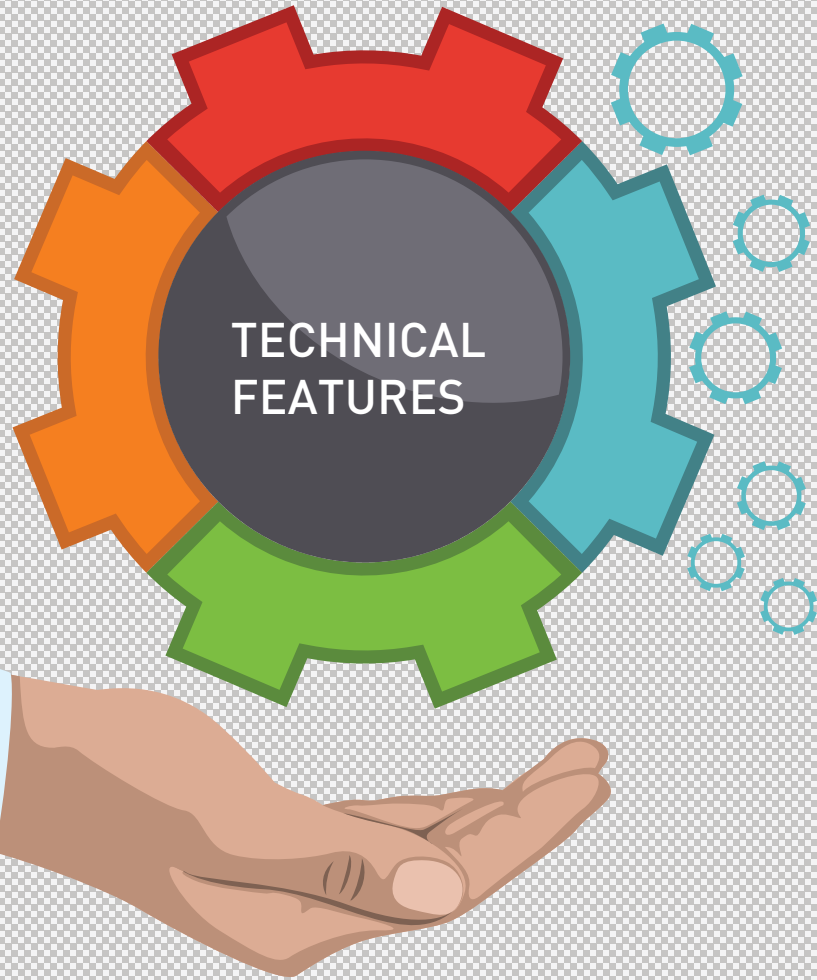
Thanks to its servo control and powerful motor, it enables heavy profiles to be transported easily.

- **Long Life Operation**

Built to Last OZMACHINE ALCOR V is meticulously engineered with ultra-durable materials. 6.5 T of steel and equipment deliver exceptional rigidity and a long lifespan. This translates to consistent, high-performance operation, even under demanding workloads and harsh environments. With proper maintenance, the ALCOR V delivers unwavering performance for years to come.

- **No Additional Cost**

Top of the range standard features including, Automatic chip discharge conveyor unit, Data transfer via remote network connection, Ethernet and USB, Barcode writer, Compatibility with optimization programs, Camquix CAM software, Automatic lubrication in processing area, Guard cabin for machining area these equipment's making more efficient.



FEATURES

ALCOR - V has been developed to perform cutting, surface treatment and end milling operations of wide aluminum and PVC profiles. ALCOR - V is designed to achieve the highest efficiency in the least amount of time with its units that can operate independently of each other.



TECHNICAL FEATURES

FEATURES



8 fan-cooled spindle motors which can operate at different angles, offer unlimited processing on 4 surfaces of the profile.



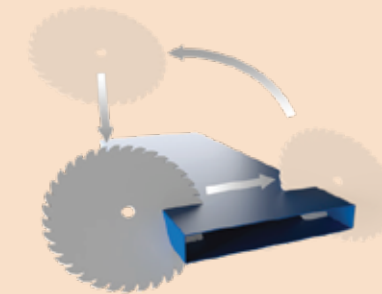
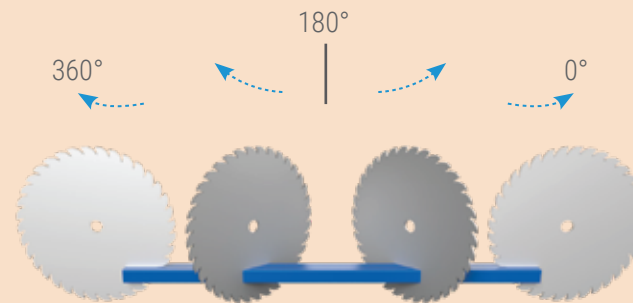
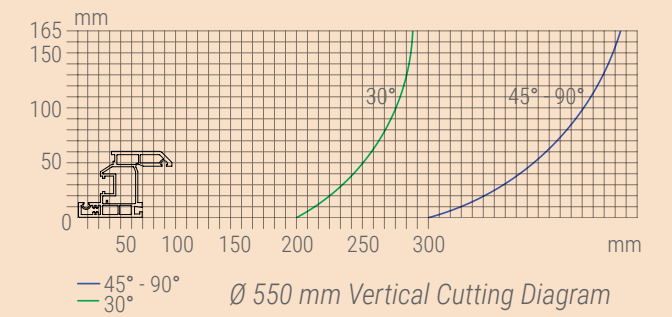
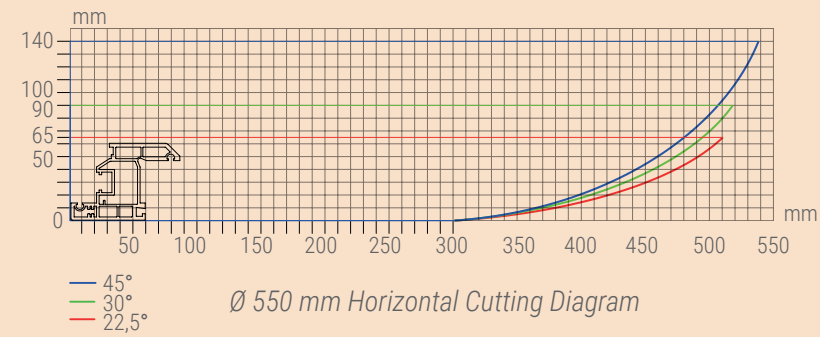
Conveyor with 4 profile feeding capacity ensures the machine to work in the most efficient way.



550 mm diameter saw that can cut at any angle between 0° and 180° thanks to its 5-axis movement capability, the saw allows cutting and end-milling operations of profiles up to 300 mm wide.

TECHNICAL FEATURES

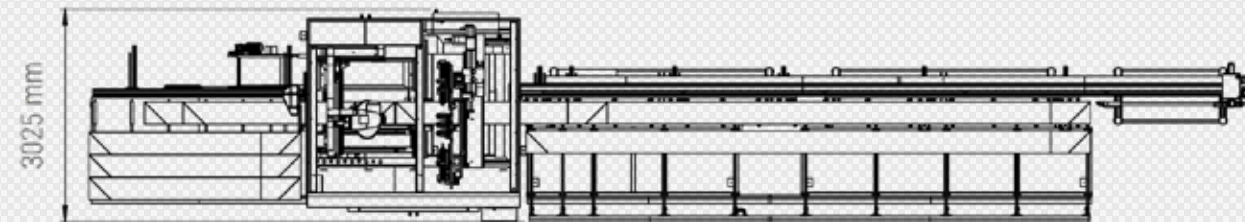
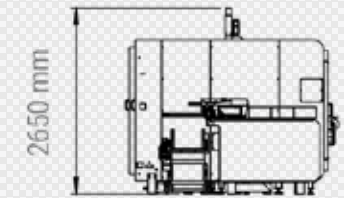
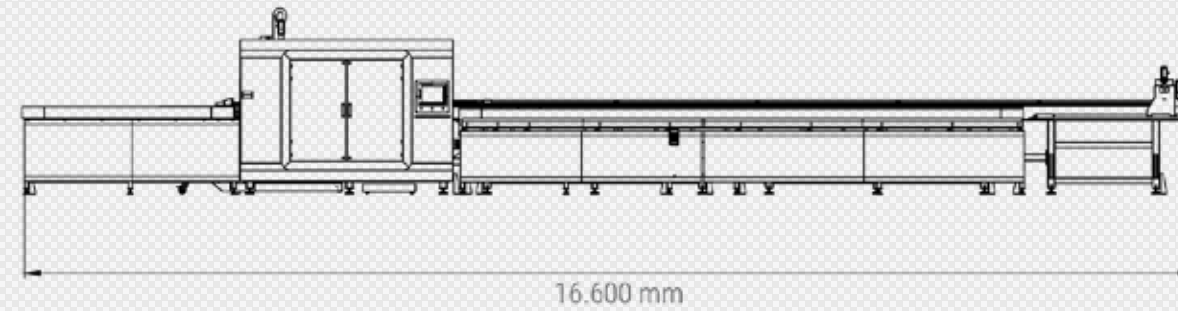
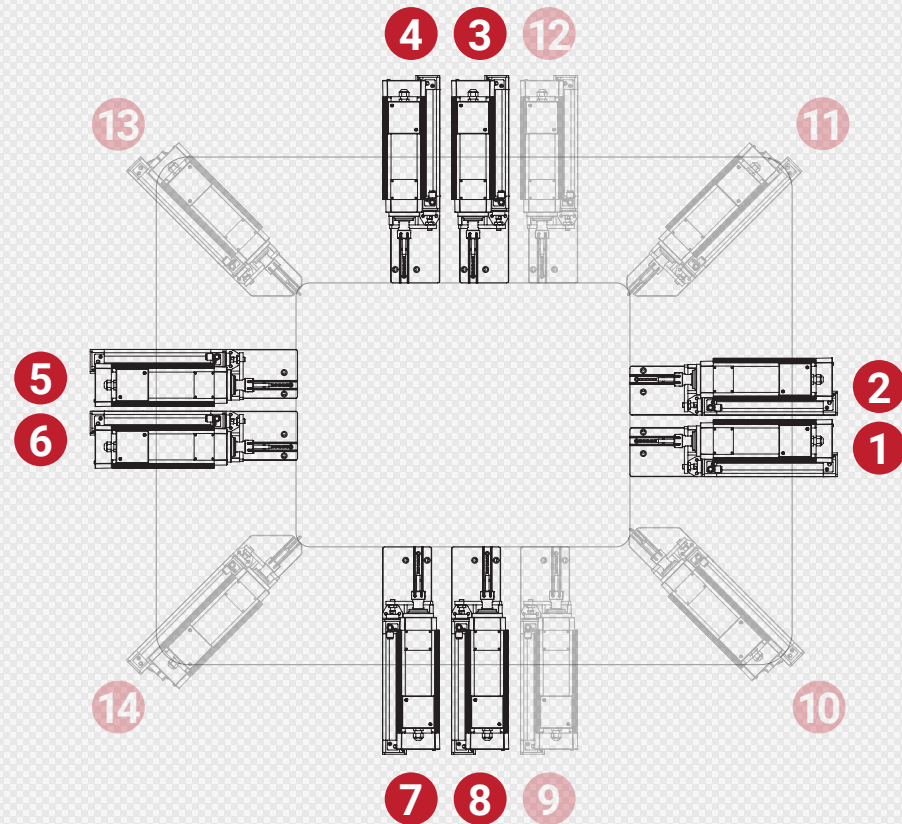
CUTTING CAPACITY



LAYOUT

CONFIGURABLE SPINDLES

ALCOR - V has 8 spindle motors and can be configured within the 14 slots on the machine before leaving the factory.



GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 130 mm
ZL Axis (Vertical) min. / max.	20 mm / 135 mm

LOADING AND UNLOADING UNIT

Minimum profile loading length	1200 mm
Maximum profile loading length	8000 mm
Profile loading capacity	4
Adjustable Profile loading capacity (Max. 10)	○
Automatic chip discharge conveyor unit	●

POSITIONING SPEED

X1 Axis (Processing Area Longitudinal)	40 m/min
Y1 Axis (Processing Area Horizontal)	40 m/min
Z1 Axis (Processing Area Vertical)	40 m/min
X2 Axis (Cutting Unit Longitudinal)	40 m/min
Y2 Axis (Cutting Unit Horizontal)	40 m/min
Z2 Axis (Cutting Unit Vertical Movement)	42 m/min
C Axis (Cutting Unit Horizontal Rotation Movement)	166°/sec.
A Axis (Cutting Unit Vertical Rotation Movement)	166°/sec.
U Axis (Cutting Unit Movable Clamp)	40 m/min
XL Axis (Drive robot)	90 m/min
YL Axis (Gripper Y)	20 m/min
ZL Axis (Gripper Z)	20 m/min

AIR - ELECTRIC

Pressure	6-8 Bar
Maximum power	43,5 kW
Ampere	122 A

CUTTING UNIT

Saw blade diameter	550 mm
Maximum profile cutting dimensions at 90° (width / height)	300/165
Saw blade motor power	3 kW

MILLING UNIT

Fan cooling spindles	8
Additional Fan Cooled Spindles (max. 5 pcs.)	○
Maximum power	3 kW
Maximum speed	18000
Tool holder	ER 20

CONTROL UNIT

Industrial PC - Touchscreen	15"
Data transfer via remote network connection, Ethernet and USB	●
Barcode writer	●
Compatibility with optimization programs	●
Compatibility with CAM programs	○
Camquix CAM software	●

OPERATIONAL AREA

Automatic lubrication in processing area	●
Guard cabin for machining area	●
FESTO pneumatic system	○

● Standard ○ Optional



High

***Capacity
Accuracy***

