

**kapasite
doğruluk**



ALCOR II C

**CNC Profile Machining
and Cutting Center
(8 Servo Axis –
7 Machining Axis for Alu)**

1 Excellent Productivity

2 High Capacity

3 Flexibility

4 Accurate Processing

Powerful Robot 5

Long Life Operation 6

No Additional Cost 7



- **Excellent Productivity**

Ability to process more profiles thanks to high-speed axis that surpass standard industry speed. X1 – 40 m / min, Y1- 60 m/ min, Z1 – 60 m / min.

- **High Capacity**

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.

- **Flexibility**

Ability to perform all operations on 4 surfaces of the profile thanks to 7 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**

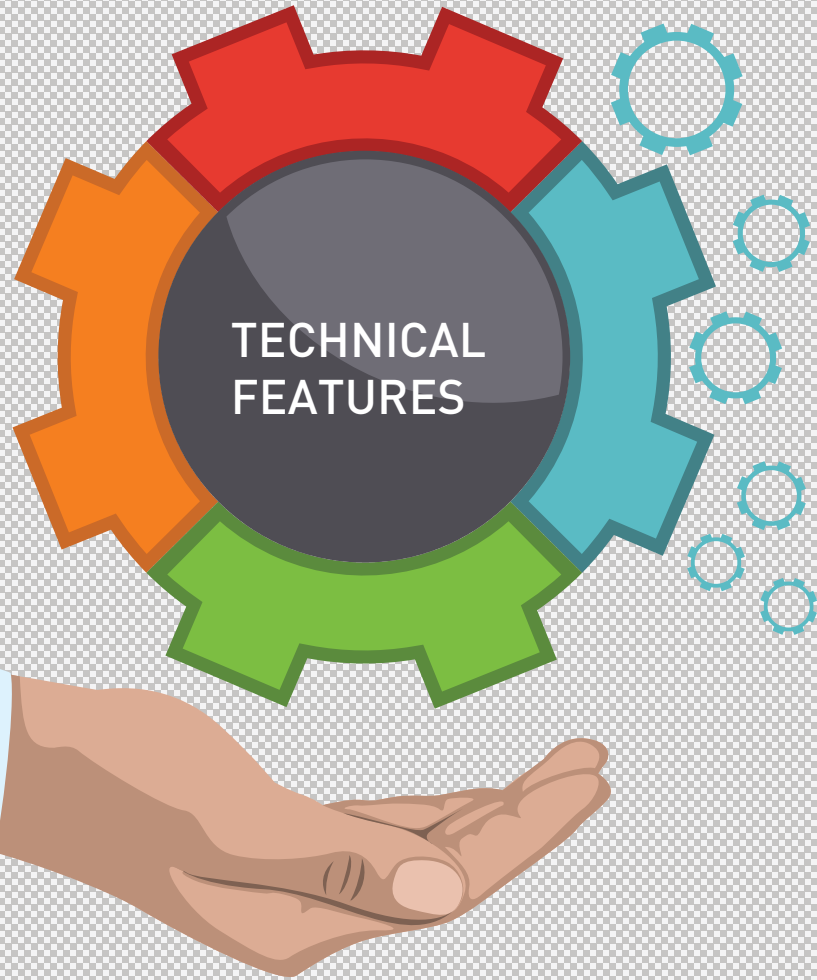
Thanks to its servo control and powerful motor, it enables heavy profiles to be transported easily.

- **Long Life Operation**

Built to Last OZMACHINE ALCOR II C is meticulously engineered with ultra-durable materials. 4.5 Ton 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 II C 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

The servo 8-axis CNC profile profile machining and cutting center ALCOR - II C has been developed to carry out all-inone cutting, milling, drain channel opening, punching and marking operations on profiles, and to perform special nonstandard 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.



TECHNICAL FEATURES

FEATURES



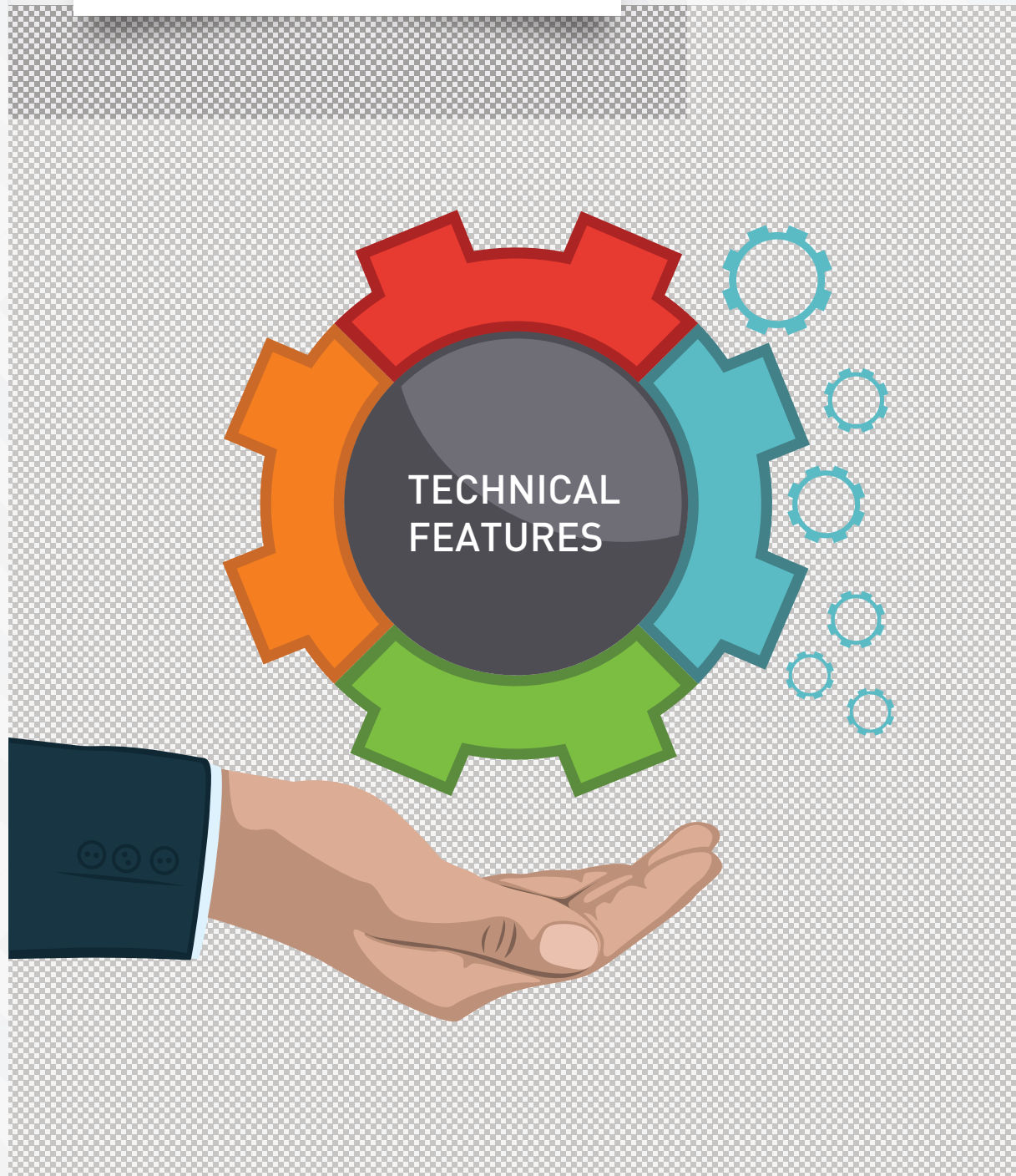
7 units of fan cooled spindle motors that can function and be positioned at different angles enables an unlimited operational capability on 4 surfaces of the profile.



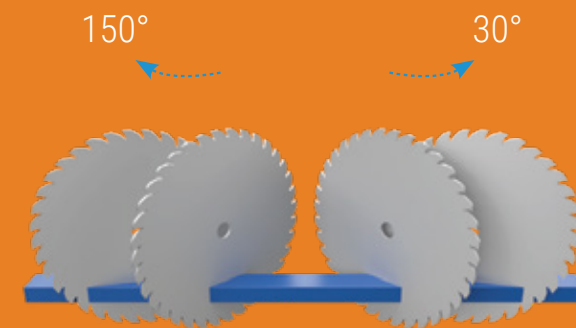
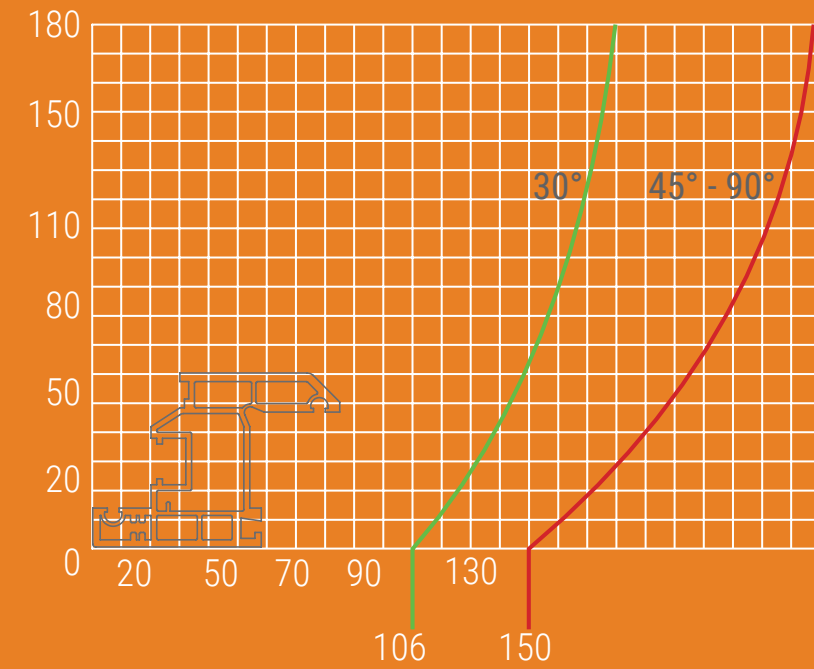
Thanks to the feeding capacity of 10 profiles, the conveyor structure enables batch processing, letting the machine to be used in the most efficient manner.



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.



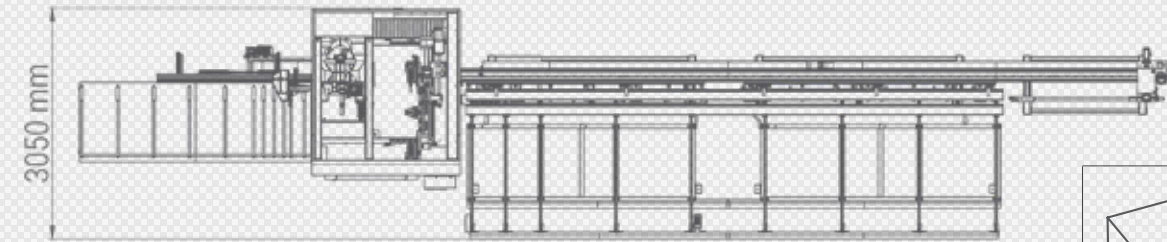
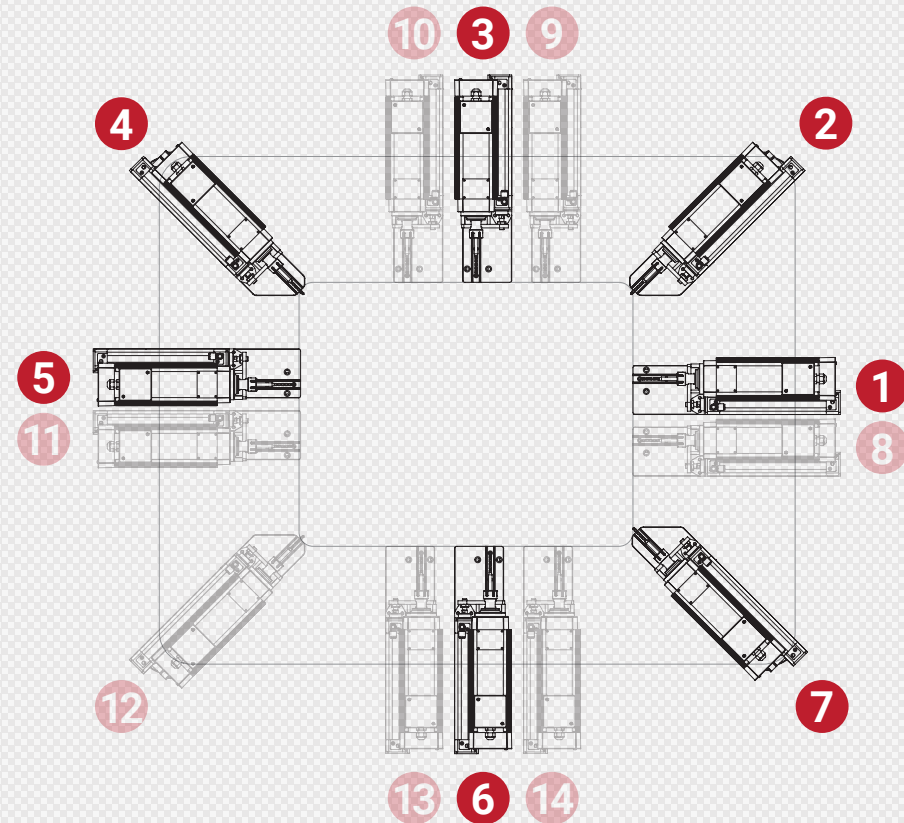
CUTTING CAPACITY



LAYOUT

CONFIGURABLE SPINDLES

ALCOR - II C has 7 spindle motors and can be configured within the 14 slots on the machine before leaving the factory.



POSITIONING SPEED

X1 Axis (Longitudinal)	40 m/min
Y1 Axis (Lateral)	60 m/min
Z1 Axis (Vertical)	60 m/min
Z2 Axis (Cutting unit vertical movement)	42 m/min
C2 Axis (Cutting unit rotation)	166°/sec
XL 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-driven profile discharge unit	○

GRIPPER AXIS TRAVEL

YL Axis (Lateral) min. / max.	20 mm / 117 mm
ZL 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	●
Compatibility with optimization programs	●
Compatibility with CAM programs	○
Camquix CAM software	●

OPERATIONAL AREA

Automatic lubrication in processing area	●
Cabinet providing protection in processing zone	●
FESTO pneumatic system	○

● Standard ○ Optional



High

***Capacity
Accuracy***

