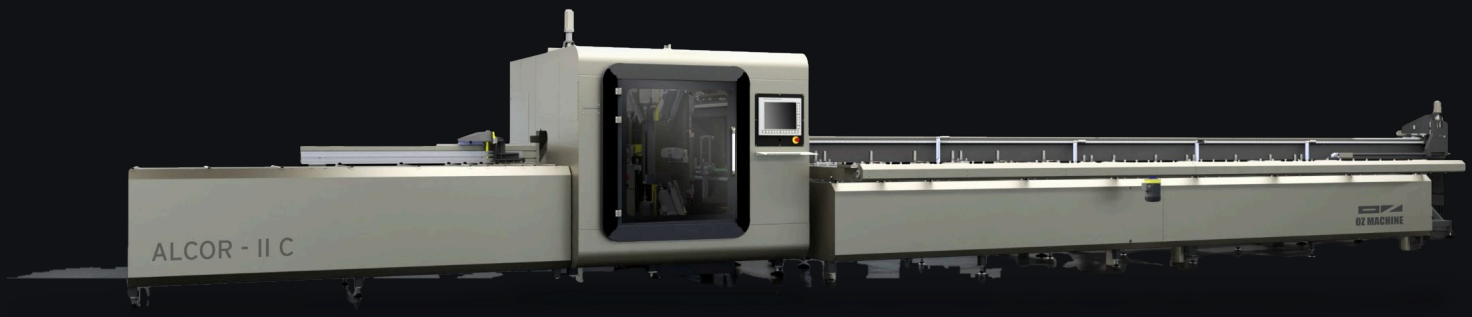
OZ MACHINE USA

ALCOR II C

CNC Profile Machining and Cutting Center (8 Servo Axis, 7 Machining Axis)



Cutting, milling and drilling of aluminum profiles in one line, with optional tapping. Seven independent spindles machine the profile while the 22" saw cuts the next part, so channel openings and other special operations run without extra stations.

8 servo axes	7 spindles	30–150°	295.3"
Fully servo-driven	Machining units	Cutting angles	Max. loading length

KEY FEATURES

- Milling and drilling on 4 + 3 surfaces, tapping (optional)
- 10-profile automatic loading magazine
- FANUC control, 15" industrial touchscreen PC
- Upper spindles 0° / 45°, frontal spindles 45° / 135°
- Gripper robot with servo positioning
- Guard cabin and automatic chip conveyor

WATCH IT RUN
ALCOR II C video on the Oz Machine USA YouTube channel
youtu.be/1mzRwxxhcTY

Max. power	Voltage	Air	Weight
32 kW / 84 A	220V 3P, 60 Hz	8.8 CFM · 100 psi	8,580 lb

TECHNICAL DATA

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AXIS TRAVEL

Z Axis (Vertical)	min. 1.2" (30 mm) / max. 7.1" (180 mm)
SR Axis (Drive robot)	min. 47.2" (1200 mm) / max. 255.9" (6500 mm)
TZ Axis (Cutting unit vertical movement)	10.6" (270 mm)
TA Axis (Cutting unit rotation)	122°
GrY Axis (Gripper lateral)	4.6" (117 mm)
GrZ Axis (Gripper vertical)	4.5" (115 mm)
A1 Axis (Upper spindle movement)	112°
A2 Axis (Frontal spindle movement)	157°

POSITIONING SPEED

X Axis (Longitudinal)	210 ft/min (64 m/min)
Y Axis (Lateral)	210 ft/min (64 m/min)
Z Axis (Vertical)	131 ft/min (40 m/min)
TZ Axis (Cutting unit vertical movement)	75 ft/min (23 m/min)
TA Axis (Cutting unit rotation)	48°/sec
SR Axis (Drive robot)	427 ft/min (130 m/min)

CUTTING UNIT

Cutting angles span	30° / 150°
Saw blade diameter	22"
Max. profile cutting dimensions at 90° (width / height)	5.9" (150 mm) / 7.1" (180 mm)
Saw blade motor power	3 kW / 4 HP

MILLING UNIT

Upper spindle rotation	0° / 45°
Frontal spindle rotation	45° / 135°
Fan cooling spindles	7
Maximum power	3 kW
Maximum speed	18,000 rpm
Tool holder	ER 20
Maximum number of machining units	7
Tapping	○

LOADING AND UNLOADING UNIT

Minimum profile loading length	47.2" (1200 mm)
Maximum profile loading length	295.3" (7500 mm)
Minimum profile unloading length	10.6" (270 mm)
Profile loading capacity	10
Automatic chip discharge conveyor unit	●

CONTROL UNIT

Industrial PC - Touchscreen	15"
Remote access	●
Data transfer via network, Ethernet and USB	●
Barcode printer	●
Compatible with optimized cutting and machining list data	●
Compatibility with CAM programs	○
FANUC CNC control	●

OPERATIONAL AREA

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

AIR & ELECTRICAL

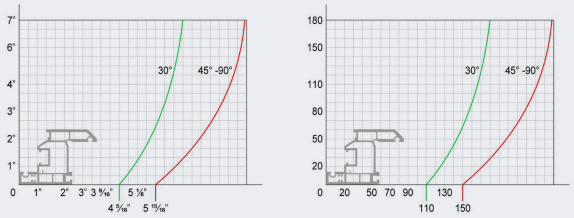
Maximum power / current (220V)	32 kW / 84 A
Voltage	220V 3P, 60 Hz
Air pressure / consumption	100 psi / 8.8 CFM

● Standard ○ Optional

ALCOR II C

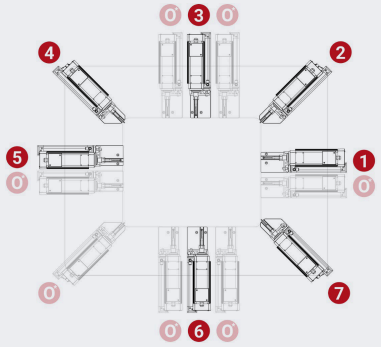
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CUTTING DIAGRAM



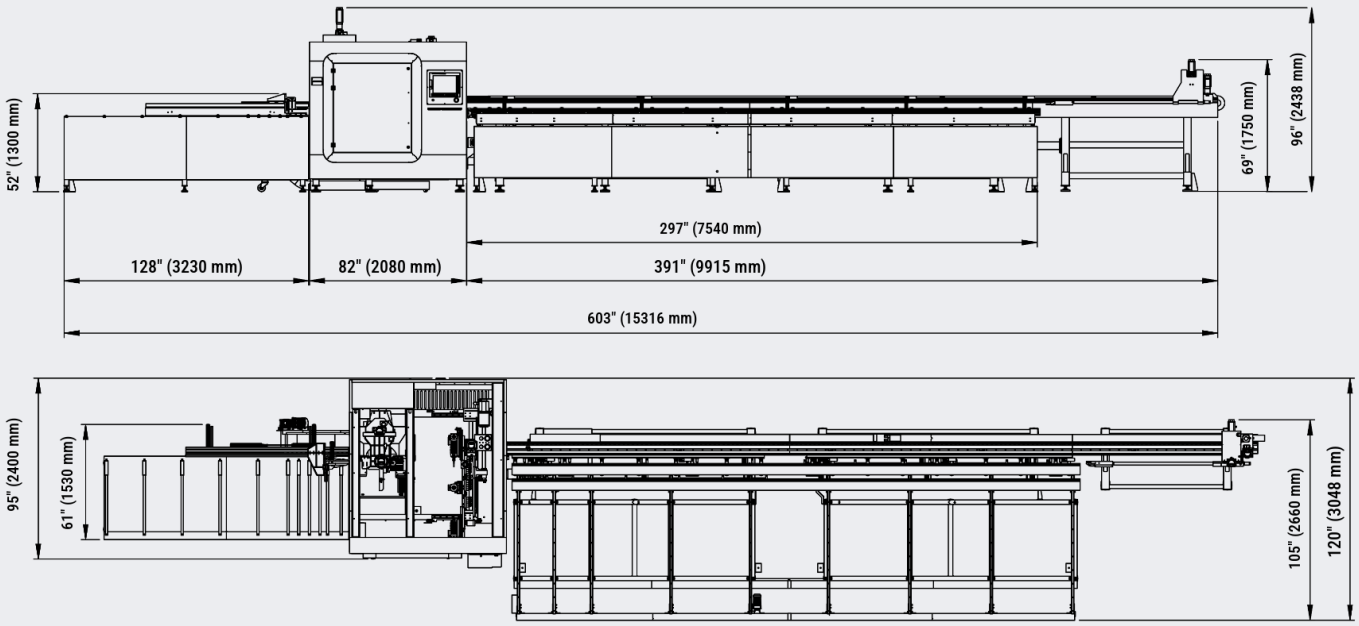
Dimensions in inches and millimeters.

SPINDLE CONFIGURATION



Standard (numbered) and optional (O) spindle positions.

LAYOUT PLAN



Dimensions in inches (millimeters). Overall machine size 603 x 120 x 96" (l x w x h), 8,580 lb.

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Product data, descriptions and illustrations may change without prior notice.