OZ MACHINE USA

ALCOR I

CNC Profile Cutting Center (3 Axis)



Automatic, servo-driven cutting for aluminum, PVC / vinyl and light alloy profiles. A 10-profile loading magazine feeds the line for batch production, while the 22" saw cuts at any angle between 30° and 150° inside a fully guarded cabin.

22"	30–150°	10 profiles	24' 7"
Saw blade	Cutting angles	Loading magazine	Max. profile length

KEY FEATURES

- Servo-controlled cutting and rotation axes
- Guard cabin with automatic lubrication
- Barcode printer for part labeling
- Imports optimized cutting lists via Ethernet / USB
- Automatic loading magazine for batch cutting
- Automatic chip discharge conveyor
- 15" industrial touchscreen PC with Oz Machine Softcut

WATCH IT RUN
ALCOR I video on the Oz Machine USA YouTube channel
youtu.be/nOxXTZbMT1w

Max. power	Voltage	Saw motor	Footprint
6.75 kW / 17.7 A	220V 3P, 60 Hz	4 HP	42' 6" x 9' 9"

TECHNICAL DATA

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MACHINING LENGTHS

TZ Axis (Cutting unit vertical movement)	7.9" (200 mm)
TA Axis (Cutting unit rotation)	122°
SR Axis (Drive robot)	290.9" (7390 mm)
GrY Axis (Gripper lateral)	4.6" (117 mm)
GrZ Axis (Gripper vertical)	4.5" (115 mm)

POSITIONING SPEED

TZ Axis (Cutting unit vertical movement)	105 ft/min (32 m/min)
TA Axis (Cutting unit rotation)	120°/sec
SR Axis (Drive robot)	361 ft/min (110 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

LOADING AND UNLOADING UNIT

Minimum profile loading length	27.6" (700 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	●

● Standard ○ Optional

GRIPPER AXES TRAVEL

GrY Axis (Lateral) min. / max.	13/16" (20 mm) / 4.5" (115 mm)
GrZ Axis (Vertical) min. / max.	13/16" (20 mm) / 4.6" (117 mm)

CONTROL UNIT

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

OPERATIONAL AREA

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

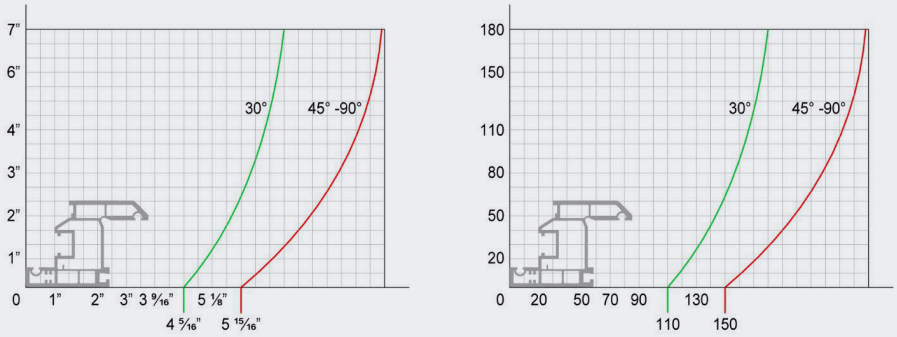
AIR & ELECTRICAL

Maximum power / current (220V)	6.75 kW / 17.7 A
Voltage	220V 3P, 60 Hz
Air pressure / consumption	100 psi / 3.0 CFM

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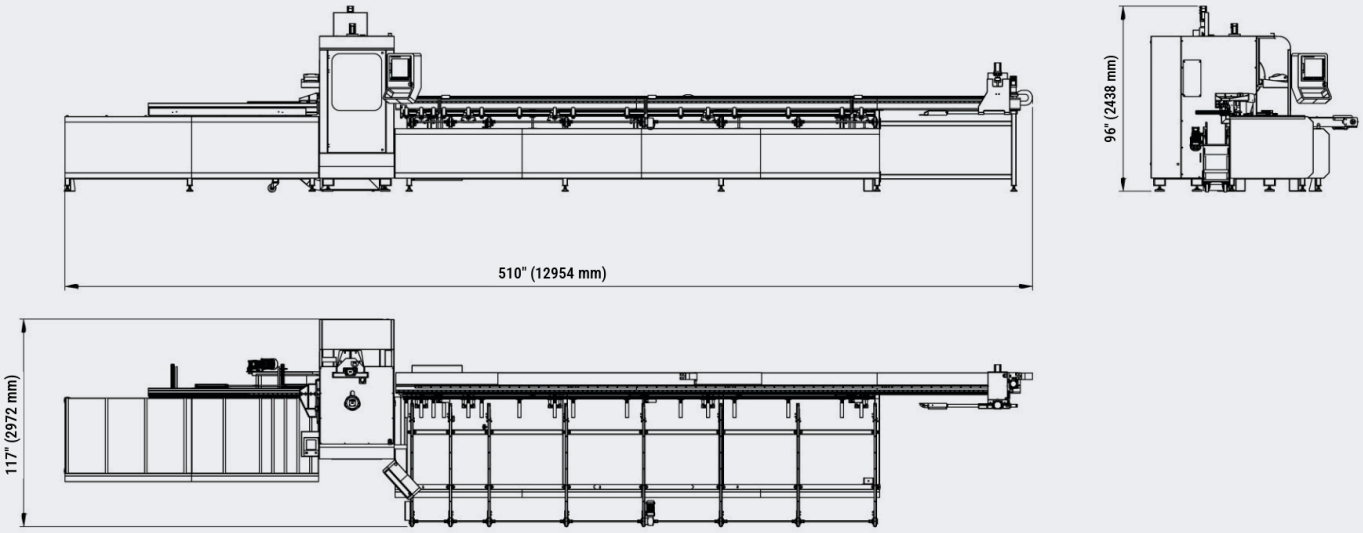
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CUTTING DIAGRAM



Dimensions in inches and millimeters.

LAYOUT PLAN



Dimensions in inches (millimeters). Overall machine size 510 x 117 x 96" (l x w x h), 6,834 lb.

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