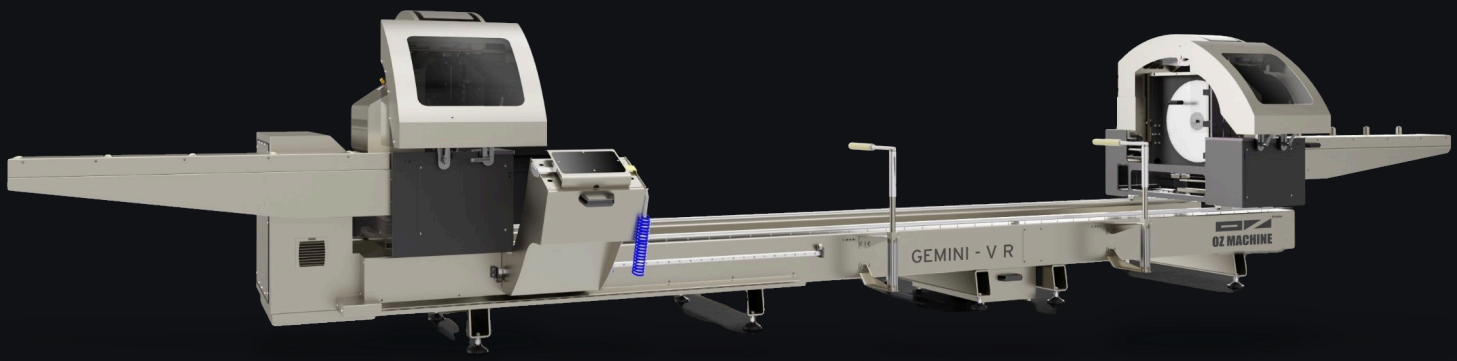
OZ MACHINE USA

GEMINI V R

Double Head Saw Ø 22" – Full Automation, 3 Axis Servo



Full automation: three servo axes position the moving head and tilt both heads to any angle between 22.5° and 135°. Cuts lengths from 18.9" to 198.8" in one pass, straight from cutting lists.

22"	**22.5–135°**	**3** axes	**198.8"**
Saw blades (2)	Servo angle positioning	Servo-controlled	Max. cutting length

KEY FEATURES

- Servo head tilt at any angle
- 2 automatic intermediate supports
- Pneumatic vertical and horizontal clamps
- Cutting lists, barcode printer
- Industrial PC with touchscreen HMI
- Ethernet / USB, remote access

WATCH IT RUN

GEMINI V R video on the Oz Machine USA YouTube channel

youtu.be/Hu0rsqMmEWs

Saw motors	Voltage	Air	Dimensions · Weight
2 × 3 kW / 4 HP	220V 3P, 60 Hz	2.5 CFM · 100 psi	343 x 64 x 77" · 3,528 lb

TECHNICAL DATA

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CUTTING CAPACITY

Min. cutting length 90° / 45°	18.9" (480 mm) / 28.3" (720 mm)
Max. cutting length 90° / 45°	198.8" (5050 mm)
Max. profile loading length	315.0" (8000 mm)
Servo angle positioning	22.5°–135°
X axis positioning speed	131 ft/min (40 m/min)

SAW BLADES

Carbide saw blades	2
Diameter (ØD)	22"
Bore (Ød)	1 3/16" / 1 5/16"
Thickness (s)	3/16"
Blade speed	3,000 rpm

MOTORS

Saw motors (2)	3 kW / 4 HP
Saw motor speed	3,000 rpm
Saw motor current (220V)	6.4 A
Servo motors F / M / R (head tilt, X axis)	0.75 kW / 1.1 HP
Servo motor speed / current	3,000 rpm / 5.02 A

AIR & ELECTRICAL

Voltage	220V 3P, 60 Hz
Air pressure	100 psi
Air consumption	2.5 CFM

EQUIPMENT

Servo controlled X axis	●
Servo controlled head tilt	●
Hydro-pneumatic cutting feed adjustment	●
Profile height measurement	○
Cutting zone protection covers	●
Horizontal and vertical pneumatic clamps	●
Automatic intermediate profile supports (2)	●
Roller conveyor on moving and fixed head	●
Cooling lubrication system	●
Saw blade travel distance control	●
Digital saw blade travel adjustment	○
Saw blade travel speed adjustment	●
Slicing mode at 90° and complementary angles	●
Barcode printer	●
Remote access	●
Data transfer: network, Ethernet, USB	●
Industrial PC, touchscreen HMI	●
Dust extractor	○

DIMENSIONS & WEIGHT

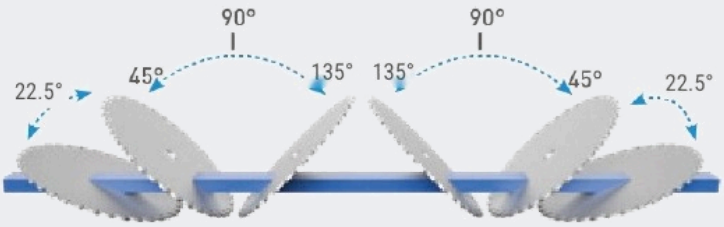
Machine size, l x w x h	343 x 64 x 77"
Metric	8717 x 1631 x 1968 mm
Weight	3,528 lb

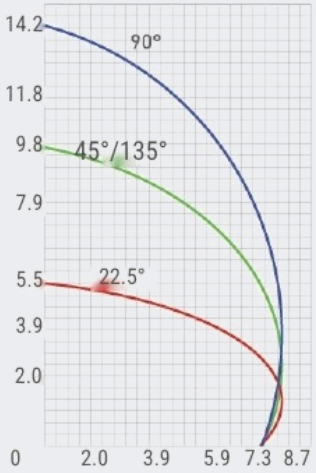
● Standard ○ Optional

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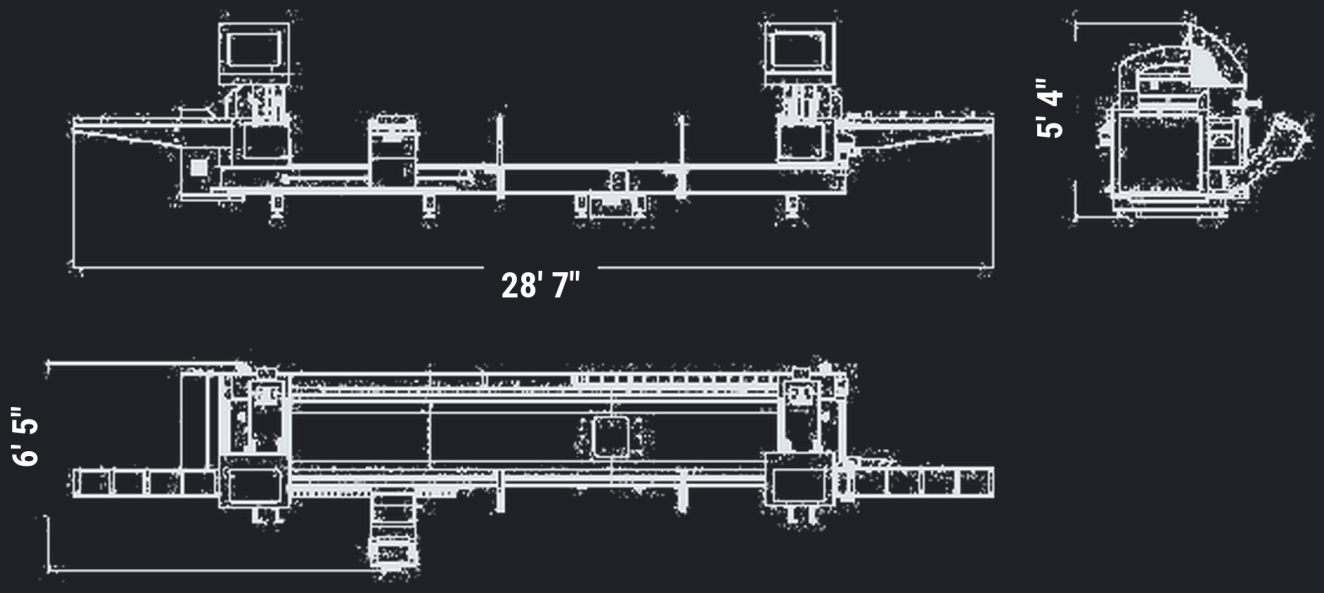
CUTTING DIAGRAM





Dimensions in inches.

LAYOUT PLAN



Dimensions in feet and inches. Overall machine size 343 x 64 x 77", 3,528 lb.

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