

DYNASAW530

Capacity

Cutting Capacity	Round (Diameter)	1.18" – 20.87"	30 - 530 mm
	Rectangle (W x H)	1.18" x 1.18" – 20.87" x 20.87"	30 x 30 - 530 x 530 mm
Work Load Capacity		10143 lbs.	4600 kg.

Blade and Vise Operation

Saw Blade	Dimensions (L x T x W)	19'5" x 0.063" x 2"	5920 x 1.6 x 54 mm
	Blade Speed	49-394 ft./min, by Inverter	15-120 m/min, by Inverter
	Tension Control	Hydraulic	
Blade Control	Top Limit Setting	Automatic Setting with Quick Approach Feeler	
	Cutting Control	CNC Control, Hydraulic Flow Control Valve with Stepping Motor	
Vise Operation	Type	Front and Rear Vises	
	Control	Hydraulic Full-Stroke Cylinder	

Motors

Motors	Saw Blade Motor	10 HP	7.5 kW
	Hydraulic Pump Motor	2 HP	1.5 kW
	Wire Brush Motor	1/8 HP	0.09 kW
	Cutting Fluid Pump Motor	1/4 HP	0.18 kW

Power Requirements

Power Requirements	Power Supply Voltage	AC220V±10%, 3 PH, 60 Hz All Other Voltages Require Transformer
	Power Requirement	15 kVA

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Cutting Fluid and Hydraulic

Cutting Fluid	Tank Capacity	35.7 gal.	135 liters
	Pump Type	Centrifugal Electric Pump	
	Pump Capacity	2.6 gal/min	10 L/min
Hydraulic	Tank Capacity	5.3 gal.	20 liters
	Pump Type	Vane Pump	
	Pressure Setting	609 psi	4.2 MPa (42 kgf/cm ²)

Chip Disposal

Chip Disposal	Automatic Hydraulic Screw-Type Chip Conveyor
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Material Index

Material Index	Index Mechanism	Shuttle Vise	
	Stroke	27.559"	700 mm
	Length	0.394"-99.999"	10-9999.9 mm
	Number of Input Block	1-99	
	Number of Input Station	1-30	
	Number of Cut-Off Pieces	1-9999	
	Remnant Length	1.38" plus length of parts	35 mm plus length of parts

Dimensions and Weight

Machine Dimensions (W x L x H)	Head Up Position	110.2" x 85.8" x 79.5"	2800 x 2180 x 2020 mm
	Head Down Position	110.2" x 85.8" x 79.5"	2800 x 2180 x 2020 mm
Table Height (Above Floor)		27.6"	700 mm
Machine Weight		9923 lbs.	4500 kg.

Specifications may change without notice at the sole discretion of Amada's Engineering Department.

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Machine Standard Features

Self-Adjusting Wire Brush

Blade Deviation Monitor

Inverter Blade Speed Change

CNC Cutting Control by Hydraulic Flow Control Valve with Stepping Motor

Motion Detector

Auto Trim Cut Function

Full Stroke Vise

Quick Approach

Work Light

Vibration Prevent Roller

Chip Flusher

Burr Removal Through Uniquely Designed Table

Optional Accessories

Roller Table 6 ft

External Chip Conveyor

Vise Pressure Control

Signal Tower

Vertical Clamps