

High Performance Sawing & Cutting

# HPSAW-310



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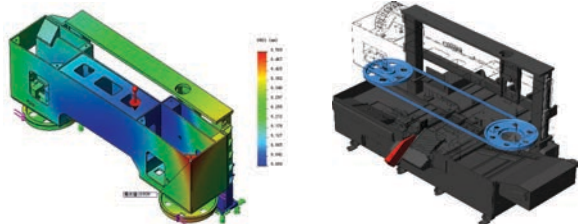
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**AMADA**<sup>®</sup>

## Standard Features

### Speed Innovation

- Equipped with a large-capacity blade motor owing to the newly designed "bridge-type saw-head frame (patent-pending)" and a "high-rigidity double-post guide"
- Double productivity compared with the carbide circular saw machine due to the synergistic effect of the HPSAW dedicated blade AXCELA-HP Series with a 0° twisted angle for high-speed cut-off

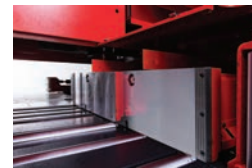


- High pressure fluids system for high cooling and chips removal
- Double twin roller for preventing propagation and high pressure cutting fluids plays the role of liquid damper



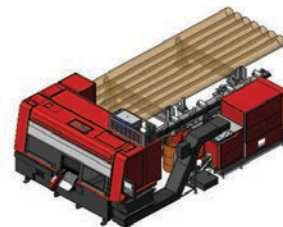
### Accuracy Innovation

- AC Servo Drive Rear Vise for high speed material positioning and high positioning accuracy
- Improved precision in detection with Dual Blade Deviation Monitors



### Environment Innovation

- Amada Energy Saving Technology provides less blade motor load and higher speed blade driving
- Amada Chip Compacting System helps large amount of cutting chips disposal by high speed cutting



### Tool Innovation

- AXCELA-HP Series carbide blade is selected the constituent materials and designed as Stability, High Wear Resistance, Linearity, and Toughness under Hyper Speed Cutting



## Specifications

Cutting Capacity	Round (Diameter)	1.97" - 12.20"	50 - 310 mm
	Rectangle (W x H)	1.97" x 1.97" - 12.20" x 12.20"	50mm x 50mm - 310mm x 310mm
Work Load Capacity		2,426 lb	1100 kg
Work Feed	Single Index Stroke	23.62" by AC Servo Motor	600 mm by AC Servo Motor
	Index length	0.394" - 23.62"	10 - 600 mm
Saw Blade	Blade Size (L x T x W)	24'1" x 0.063" x 2-5/8"	7345 x 1.6 x 67 mm
	Blade Speed	49 - 1,312 ft/min., 60 Hz by inverter	15 - 400 m/min., 60 Hz by inverter
Motors	Saw Blade Motor	30 HP	22 kW
	Hydraulic Pump Motor	5 HP	3.7 kW
	Cutting Fluid Pump Motor	1/4 HP	0.18 kW
Machine Dimensions	Head Up Position (W x L x H)	169.6" x 106.6" x 92.7"	4309 x 2707 x 2354 mm
Table Height		35.4"	900 mm
Machine Weight		17,640 lb	8000 kg