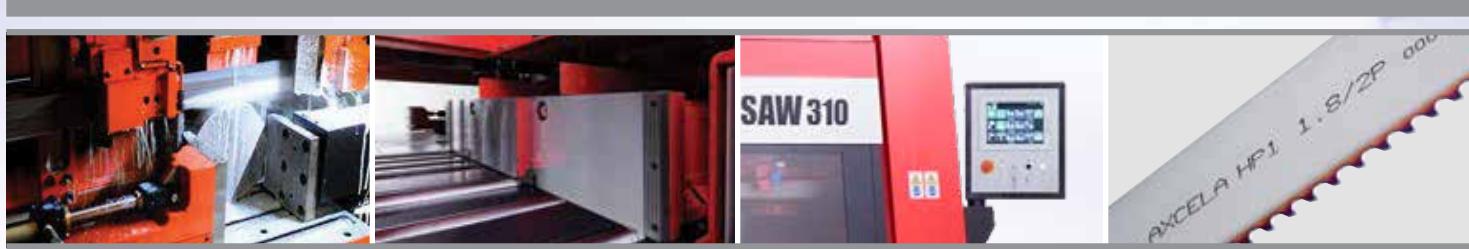


# SOLUTION

## **HYPER SAW**

**HPSAW310**



The Vision of Precision



**The Engineering AMADA**



**AMADA**  
AMADA MACHINERY AMERICA, INC.

# WORLD'S FASTEST CUTTING BAND SAW



## 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 fluid system for high cooling and chip removal.
- Double twin roller for preventing vibration 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 Evacuation System helps large amount of cutting chips disposal by high speed cutting.

## TOOL INNOVATION

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

## STANDARD FEATURES

- Motion Detector
- Double Twin Rollers
- Cutting Fluid Level Detector
- Built-in Wide Chip Conveyor
- Windows Based CNC Controls
- Double Blade Deviation Monitor
- Blade Speed Controlled by Inverter
- High Pressure Cutting Fluid System
- Ball Screw Control Valve
- Automatic Adjusting Double Wire Brush

## OPTIONAL FEATURES

- Kicker Type Loading Table
- Unloading Table (Sorting type)
- Extended Warranty = Regular 1 year + Additional year Total 2 year



## PRODUCT SPECIFICATIONS

Round Capacity	1.97" - 12.20" (50 - 310 mm)
Rectangle Capacity (W x H)	1.97" x 1.97" - 12.20" x 12.20" (50 x 50 mm - 310 x 310 mm)
Work Load Capacity	2,426 lb (1,100 kg)
Single Index Stroke	23.62" by AC Servo Motor (600 mm by AC Servo Motor)
Index Length	0.394" - 23.62" (10 - 600 mm)
Remnant Length	1.97" plus length of parts (50 mm plus length of parts)
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., Inverter (15 - 400 m/min., Inverter)
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 (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)



**!** Before using this product, please read the operator's manual carefully and follow all applicable instructions.  
• When using our products, safety equipment is required depending on the operational task.

\* Specifications, appearance and equipment are subject to change without notice by reason of improvement.  
\* Please use the machine model name as HPSAW310, when applying for administration applications.  
\* For any inquires, please contact local Amada Machinery America, Inc. office.

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