

JATAS Machinery Sales Inc.

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Semi-automatic Heavyduty Bandsaws

- Model Number : SH-5542
- Design Style : Large Section Cutting: Billets, Ingots, Dies, Plates

Specifications

Maximum Cutting Capacity	Round	420 mm (16.5")
	Square	420 mm (16.5")
	Height x Width	420 x 550 mm (16.5"-21.6")
Saw Blade	Size	5300L x 41W x 1.3T mm (208.7" x 1.6" x 0.050")
	Speed	20-100 m/min (66-328 fpm)
	Tension	Hydraulic (with blade breakage detector)
Motor Output	Blade	5.5 kW (7.5 HP)
	Hydraulic	1.5 kW (2 HP)
	Coolant	0.1 kW (1/8 HP)
Tank	Hydraulic	35 L (8.75 gal)
	Coolant	95 L (23.75 gal)

SH-5542 Machine Features

Structure

- Oversized precision ground, large dual columns
- Cross link connecting two columns for enhanced structural strength
- High-level cast iron blade wheels ensuring durability and long usage

Blade Drive

- Specially designed gearbox for high lateral pressure

Blade Guidance & Lubrication System

- Cam lock carbide blade guides with bearing guides
- Two additional guides to support the blade from the top
- Automatic hydraulic blade tensioning device
- Integral coolant system
- Pitch design for coolant drainage
- Synchronized power driven blade brush

Control & Automation

- PLC control
- Precision feed pressure & feed rate dual valve system
- Work height selector & air gap eliminator

Material Feeding & Clamping

- Split vise jaws
- Full stroke hydraulic vise
- Ductile cast iron vises with replaceable hardened wear plates
- Take-in roller to facilitate material loading and feeding

Safety

- Proximity switch for sensing blade slippage or breakage
- Interlock design in electrical and hydraulic system
- Conduits protection measure
- "Alert Orange" safety measure

Standard Accessories

- Blade "clip" device for easy blade change
- Adjustable front plate for cut-off stock
- Additional flushing hose
- Bi-metal saw blade
- Built in work light
- Tool box, leveling pads, and an additional wire brush
- Operation & parts manual

Design and specifications are subject to change without notice and obligation.