JLH

Since 1983

COLUMN TYPE HEAVY-DUTY FULLY AUTOMATIC BAND SAW

H-420PRO+

TYPICAL APPLICATIONS

·EHA High-Precision Electro-Hydrostatic Actuation System

·Rigid Machine Frame & Structural Design

·Intelligent Cutting & Feed Control System

·Automation-Oriented Design for Productivity



Innovating The Future of Sawing

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Standard Features

CE standard fully enclosed protection
JLH-EHA
Saw Master
CE Electrical Safety
Permanent Magnetic synch. Motor
Sawbow anti-collision detection
LED working light
Laser line projection
Blade breakage detection
Sawing Depth Control
HMI+Buttons
Inverter
Deviation detector
Hydraulic Blade tension
Vise pressure differential valves
Automatic chip conveyor (spiral)
Hydraulic blade guide clamping
Vise pressure regulator
Motorized chip brush
Hydraulic cooling fan
Auto Lubrication device
Roller type work table
Hydraulic feeding
Main drive precision gear reducer
Split Vise clamping
Hydraulic movable Guide arm
Chip collection box 40(L)
Tool box (wire brush, levelling pads, spare paint)
One piece Saw blade

Optional Features

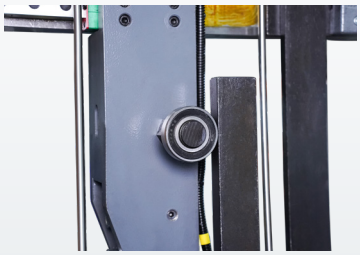
UL Electrical Safety
0-start (first cut option)
Top clamp
Servo feeding
Chip collection box (movable) 70 (L)
Transport underframe for containers

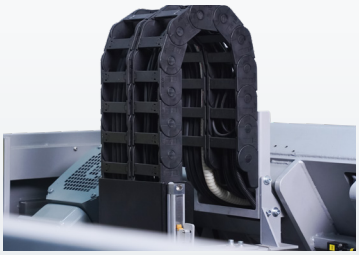
JLH-EHA

The EHA electro-hydrostatic actuation system provides highly precise and responsive control of feed rate and cutting pressure, ensuring consistent cutting performance and superior accuracy across a wide range of materials and cutting conditions.

·Cut flatness and verticality deviation ≤ 0.2 / 100 mm
·Blade life extended by more than 25%
·Adaptive control for thin-walled profiles and thick, high-strength materials



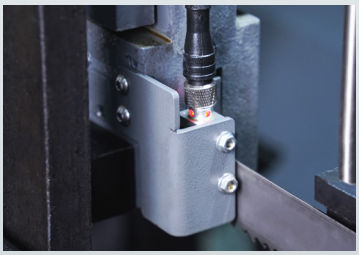












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TECHNICAL DATA

	Item	Specification
Cutting Capacity	Cutting Capacity (Round)	Ø420 mm (Ø16.5 in)
	Cutting Capacity (Square W × H)	420 × 420 mm (16.5 × 16.5 in)
	Smallest Size to be Cut	10 × 10 mm (0.4 × 0.4 in)
	Clamping Range	0 – 420 mm (0 – 16.5 in)
	Bundle Cutting Range	160 × 130 – 260 × 160 mm (6.3 × 5.1 – 10.2 × 6.3 in)
	Shortest Cut-off Length	5 mm (0.2 in)
	Shortest Remnant Length (Automatic)*	190 mm (7.48 in)
	Shortest Remnant Length (Single Cut)	20 mm (0.8 in)
Machine Dimensions	Length	2220 mm (87.4 in)
	Width (Including Chip Conveyor)	3030 mm (119.3 in)
	Height	2250 mm (88.6 in)
	Material Support Height	860 mm (33.85 in)
	Total Weight	≈ 3000 kg (6613 lb)
Drive & Power	Total Connected Load	11.5 kW (15.3 hp)
	Saw Motor Power	7.5 kW (10 hp)
	Hydraulic Motor Power	1.5 kW (2 hp)
Cutting & Feeding	Cutting Speed (Infinitely Variable)	20 – 80 m/min (65.6 – 262.4 ft/min)
	Saw Feed Speed	1 – 300 mm/min (0.04 – 11.8 in/min)
	Automatic Material Feed Length (Single)	500 mm (19.69 in)
	Automatic Material Feed Length (Multiple)	9999 mm (393.66 in)
Saw Blade	Saw Blade Dimensions (L × W × T)	5150 × 41 × 1.3 mm (202.76 × 1.6 × 0.05 in)

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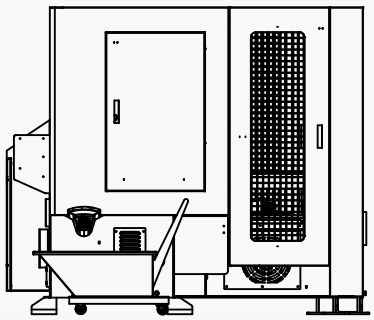
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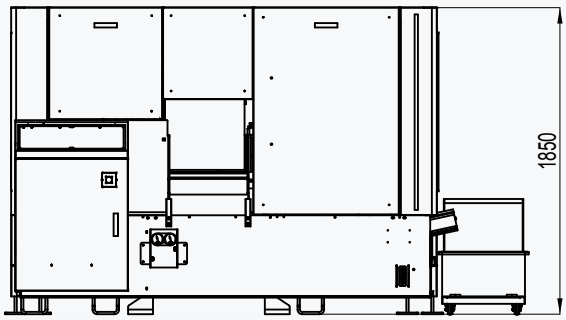
CUTTING PERFORMANCE EXAMPLE

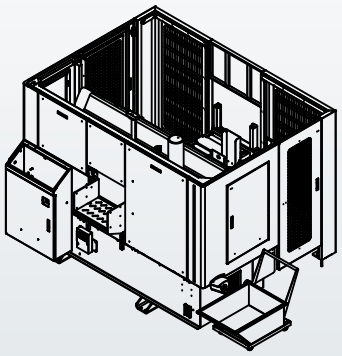
Material Size: Ø180 mm **Material: SUS304**

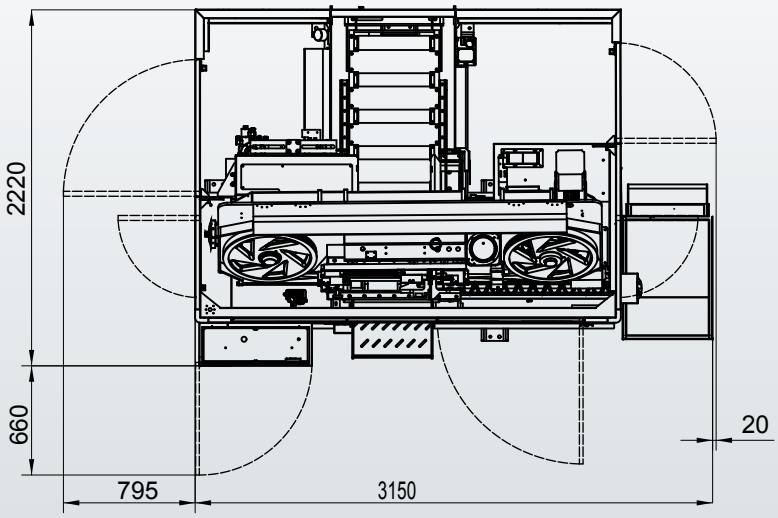
Item	Specification
Blade Brand	JLH SS Series
Blade Size	5150 × 41 × 1.3 mm
Cutting Rate	32 cm²/min
Cutting Time per Piece	7 min 56 sec
First Blade Output	177 pcs
First Blade Cutting Area	4.5 m²

*Actual performance may vary depending on material condition and tooling.









JLH SAWS INTERNATIONAL INC.
Request detailed technical data, configuration options or quotation
www.jlhsaws.com