JLH

Since 1983

COLUMN TYPE HEAVY-DUTY FULLY AUTOMATIC BAND SAW

H-420PRO CE

TYPICAL APPLICATIONS

·Rigid Machine Frame & Structural Design

·Intelligent Cutting & Feed Control System

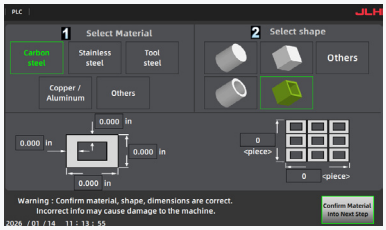
·Automation-Oriented Design for Productivity



Innovating The Future of Sawing

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Saw Master

Equipped with the all-new SawMaster V2.1 operating system, the machine is designed for effortless operation—even for first-time users.

The guided HMI interface, combined with adaptive AI intelligence, delivers cutting efficiency and per-blade cost performance comparable to that of an application engineer with over 10 years of experience.

Compared to the previous-generation operating system, overall cutting efficiency is increased by over 30%, while blade life is extended by more than 30%, significantly reducing total operating costs.

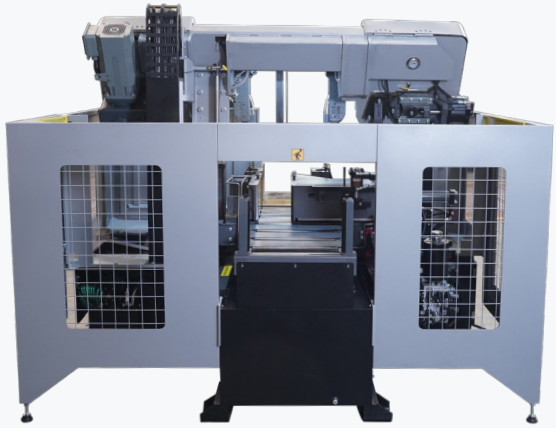
In addition, the machine is equipped with JLH's self-developed EHA ultra-precision electro-hydraulic feed control system, providing highly stable and accurate feed control. This ensures consistent, reliable performance when cutting a wide range of difficult-to-cut materials.

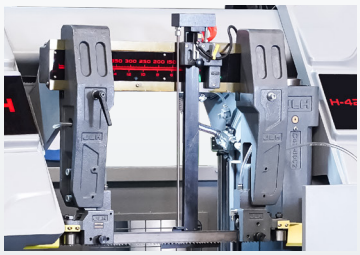
Standard Features

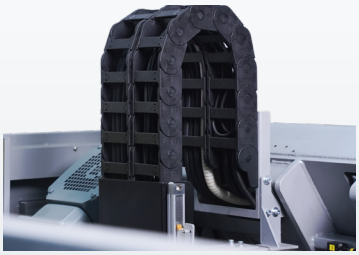
CE safety protection
Saw Master
CE Electrical Safety
Permanent Magnetic synch. Motor
Sawbow anti-collision detection
LED working light
Blade breakage detection
HMI+Buttons
Inverter
Hydraulic Blade tension
Vise pressure differential valves
Automatic chip conveyor (spiral)
Vise pressure regulator
Motorized chip brush
Top clamp
Hydraulic cooling fan
Roller type work table
Hydraulic driven
Main drive precision gear reducer
Split Vise clamping
Manual movable Guide arm
Chip collection box 40(L)
Tool box (wire brush, levelling pads, spare paint)
One piece Saw blade

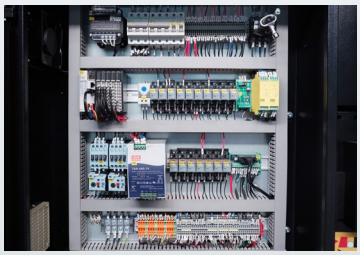
Optional Features

UL Electrical Safety
Laser line projection
Sawing Depth Control
Deviation detector
Hydraulic blade guide clamping
Auto Lubrication device
Servo driven
Hydraulic movable Guide arm
Chip collection box (movable) 70 (L)
Transport underframe for containers



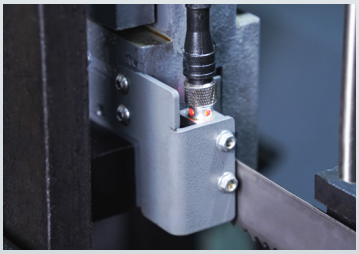










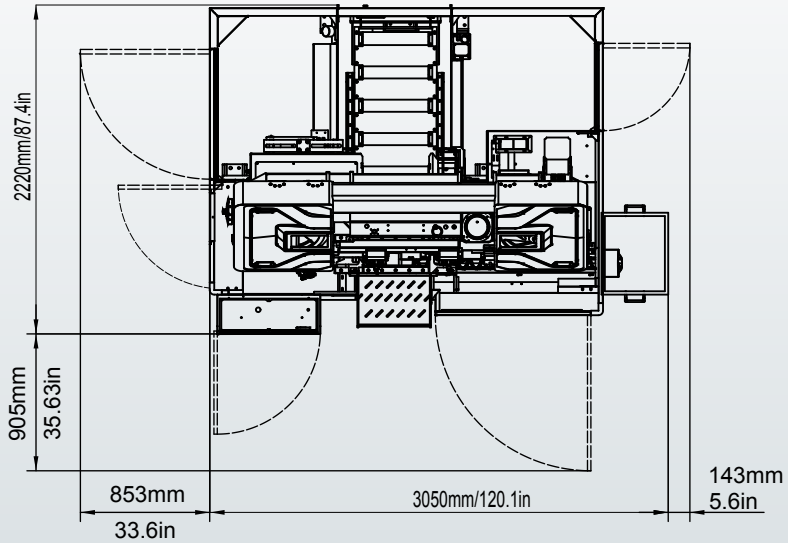


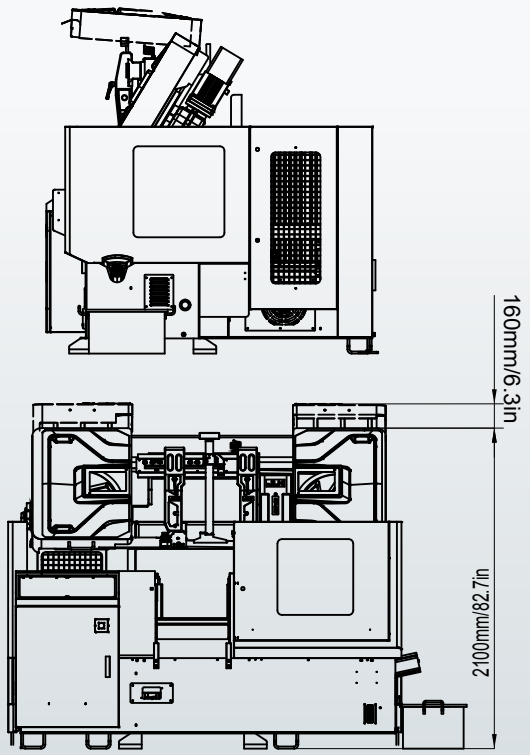
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TECHNICAL DATA

	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)	3050 mm (120.1 in)
	Height	2100 mm (82.7 in)
	Material Support Height	860 mm (33.85 in)
	Total Weight	≈ 2850 kg (6283 lb)
Drive & Power	Total Connected Load	9.5 kW (12.67 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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Request detailed technical data, configuration options or quotation
www.jlhsaws.com