

FULLY AUTOMATIC AI BAND SAW

HS-AI Series

HS330^{AI} / HS360^{AI} / HS460^{AI} / HS560^{AI}



■ Details



Hydraulic **NC Feeding**



High-precision structure
made with **robotic welding**



Intelligent **AI Based** automatic
feed and speed control



High-rigidity **column type**
design

■ Features

Intelligent regulation of blade speed and feed according to material characteristics maximises tool life.

High-rigidity column type design offers up to 50% higher sawing speed / 50% higher blade life / 50% higher service life compared to typical LM guideway models.

Heavy duty machine construction using robotic welding ensures stability and uniformity surpassing manual construction.

Components CNC machined in a single setting at micron-level precision, shot blasted, and coated for wear resistance and corrosion resistance to ensure durability and reliability.

Separate hydraulic power pack with all control valves, gauges & oil level indicator for easy check and maintenance.

Floating shuttle vise system automatically adjusts for bent bars.

Auto-indexing shuttle vice with a stroke length of 500mm, synchronized with auto cycle.

Ergonomically designed dual operation (screen and switches) electrical control panel.

Standard Equipment

- Automatic chip conveyor
- Hydraulic sawblade tension
- Variable blade speed controlled by inverter

Optional Equipment

- Hydraulic bundle-cutting attachments
- Roller-type bed
- Variable vise pressure

■ Specifications

Model		HS330 ^{AI}	HS360 ^{AI}	HS460 ^{AI}	HS560 ^{AI}
Capacity (mm)	●	330	360	460	560
	■	330x330	360x360	460x460	560x560
Sawblade size (mm)		4115x34x1.1	4570x34x1.1	5450x41x1.3	6540x41x1.3
Sawblade speed (m/min)		20~80	20~80	20~80	20~80
Saw head feed type		Hydraulic stepless	Hydraulic stepless	Hydraulic stepless	Hydraulic stepless
Material feeding type		Hydraulic floating shuttle vise	Hydraulic floating shuttle vise	Hydraulic floating shuttle vise	Hydraulic floating shuttle vise
Main motor (kW)		4	4	7.5	11
Hydraulic motor (kW)		0.75	1.1	1.5	1.5
Coolant motor (kW)		0.09	0.09	0.9	0.9
Machine size (mm)		2540x2300x1450	2600x2500x1600	3100x2200x1800	3250x2650x2100
Machine weight (kg)		1900	2000	3300	3900

* Specifications and design are subject to change without notice.

Unique Saws & Machinery Pvt. Ltd.

An ISO 9001:2015 Certified Company

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