

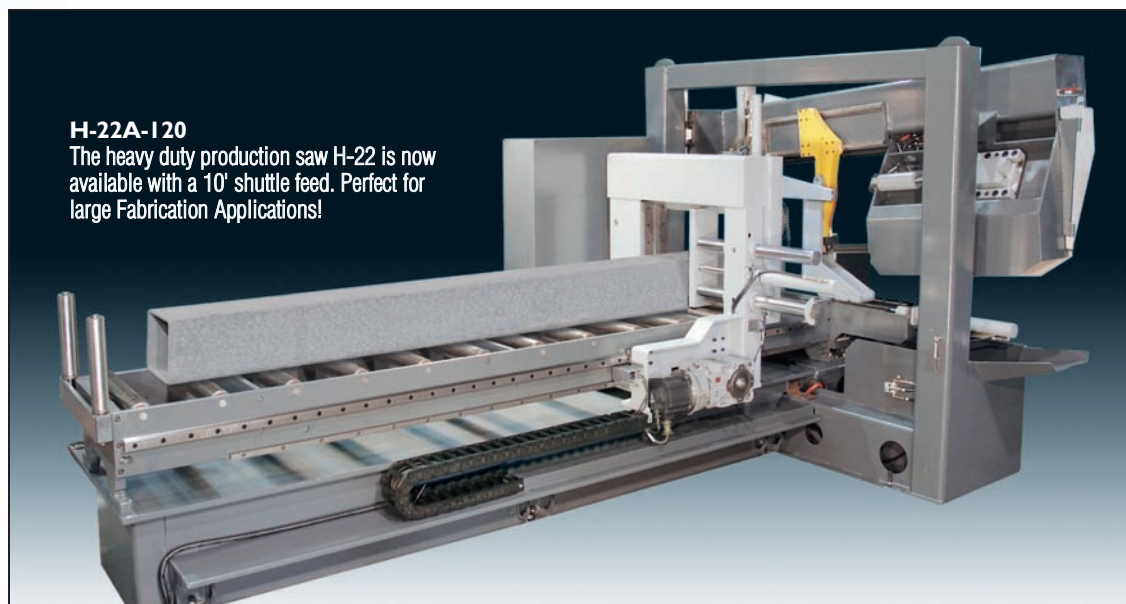
# H SERIES

# H Series

10" to 22" Capacity 340 to 560 mm

H SERIES SPECIFICATIONS		H-10A		H-14A		H-18A		H-22A		
CAPACITY	Rectangular	10" x 10"	254 x 254mm	14" x 14"	356 x 356mm	18" x 18"	457 x 457mm	22" x 22"	559 x 559mm	
	Round	10"	254mm	14"	356mm	18"	457mm	22"	559mm	
BLADE	Blade Dimensions	12' 6" 1 1/2"	3810mm 32mm	15' 4" 1 1/2"	4674mm 32mm	19' 2" 1 1/2"	5842mm 38mm	22' 6" 2"	6858mm 51mm	
	Blade Drive	5 hp	3.7 kW	7.5 hp	5.5 kW	10 hp	7.5 kW	10 hp	7.5 kW	
	Blade Speed	50-350 SFM	15-107 m/min	50-350 SFM	15-107 m/min	50-350 SFM	15-107 m/min	40-300 SFM	12-92 m/min	
OVERALL	Shuttle Stroke		0-24"	0-610mm	0-34"	0-864mm	0-34"	0-864mm	0-864mm	
	Hydraulic Drive		1 hp	.75 kW	2 hp	1.5 kW	3 hp	2.25 kW	3 hp	2.25 kW
	Coolant Tank Capacity		7 US Gal	25 litres	25 US Gal	95 litres	30 US Gal	114 litres	30 US Gal	114 litres
	Table Height		31"	787mm	31"	787mm	31"	787mm	31"	787mm
	Automatic Machine Weight		3500 lbs	1588 kg	4700 lbs	2132 kg	8500 lbs	3856 kg	12500 lbs	5670 kg
	Machine Dimensions		Width	83"	2108mm	94"	2388mm	127"	3226mm	141"
		Length	68"	1726mm	81"	2057mm	88"	2235mm	88"	2235mm
		Height	67"	1701mm	74"	1880mm	92"	2337mm	92"	2337mm

In line with HYD•MECH's policy of on-going product improvement, we reserve the right to modify features and specifications. Note that some options may not be available or are standard on the CE machines. Please check with your dealer for option availability.



**H-22A-120**  
The heavy duty production saw H-22 is now available with a 10' shuttle feed. Perfect for large Fabrication Applications!



*Our Rock Solid Pledge* promises you the best cost-per-cut solution, the latest in design and engineering technologies, only high quality components and excellent customer service for your Hyd•Mech sawing system.



**HYD•MECH**  
The Rock Solid Solution.

**HYD•MECH GROUP LIMITED**

P.O. Box 1659, 1079 Parkinson Road, Woodstock, Ontario, Canada N4S 0A9  
toll free: 1-877-276-SAWS(7297) phone: (519) 537-2103 fax: (519) 539-5126

[www.hydmech.com](http://www.hydmech.com) email: [info@hydmech.com](mailto:info@hydmech.com)

DEALER:

**HYD•MECH**  
The Rock Solid Solution.

# H SERIES

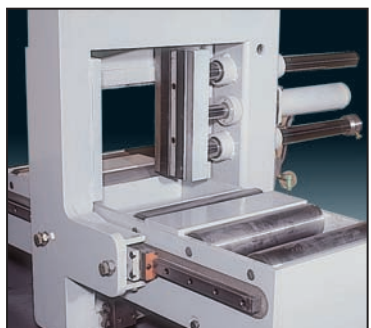
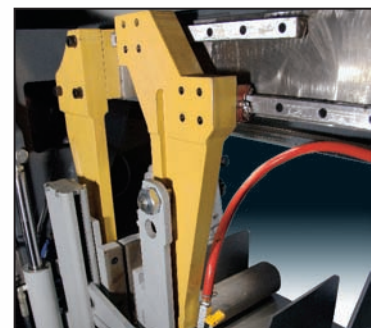
## H-10A

### STANDARD FEATURES:

- 5 Hp Motor with A/C Inverter
- 1 1/4" x 12'6" Blade
- Positive Down Feed System
- Stepper Driven Shuttle Vise with Ball Screw Mounted on Linear Rails with 24" Single Stroke (multi-indexing)
- Out of Stock Switch
- Cast Iron Guide Arms supported by 2 Linear Bearings
- Replaceable Carbide Guide Inserts
- Split Front Vise
- Blade Breakage Switch
- Blade Brush
- Power Driven Chip Auger
- PLC Controls with 99 Job Storage and Job Queue function
- Halogen Work Light
- Flood Coolant System
- Wash Down Hose

### OPTIONS:

- Variable Vise Pressure
- Full Capacity Overhead Bundling Clamp
- Mist System
- 5' & 10' Idler Conveyors
- Power Conveyors



**Guide Arms**  
Heavy Duty Cast Iron Guide Arms, supported by Linear Bearing. The moveable guide arm is mechanically connected to the front vise movable jaw, moving it tandem with the vise, ensuring proper guide arm spacing, in relation to the application at all times.

**Split Front Vise**  
Clamps the material on both sides of the blade during cutting resulting in a more accurate and square cut. Also allows for a shorter remnant piece.

**Hydraulic System**  
A Hydraulic system, featuring a Stainless Steel Tank, site gauge displays fluid level, and two easy access "clean up" plugs for enhanced serviceability. The H-10A Hydraulic system is conveniently located on a swing out door for easy access.

**Shuttle System**  
Mounted on linear bearings and powered by precision ball screw and servo motor achieving rapid shuttle movement with precise material positioning.

**Faster than a Speeding Bullet...  
Not Really  
but It is Fast!**



10" x 10" Capacity

Note:  
Photos may show optional equipment.

**H-10A "saw in the box" design** was engineered to provide exceptional cutting performance, reliability and ease of use in a multi-shift high production environment! The new Rock Solid Solution features a PLC controller with 99 job storage and Job queue function, heavy duty saw head with 35 series linear bearings and weighs a Robust 3,500 lbs.

## H-22A

Model shows optional 6° canted head.

### STANDARD FEATURES:

- 10 HP motor
- 2" blade
- 34" shuttle stroke
- Split front vise
- Hydraulic carbide guides
- Powered blade brush
- Hydraulic blade tensioning
- PLC Controls

### OPTIONS:

- Full capacity overhead bundle clamp
- Out of Stock Switch
- Vertical Rollers
- Variable vise pressure
- 6° canted head
- 10' bar feed
- Mist coolant



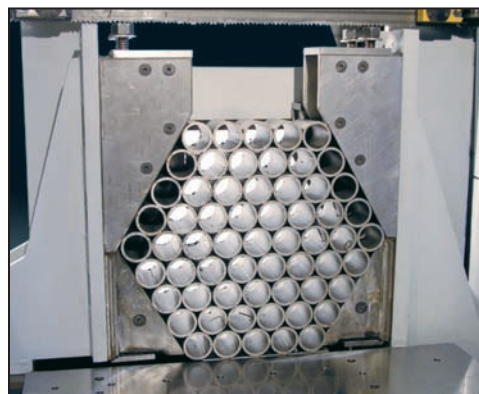
22" x 22" Capacity

Also Available the H-22P Semi Automatic

## H Series...

Built Rock Solid, the Dual Post Horizontal Band Saws provide exceptional cutting performance on a wide range of applications. From mild steels and aluminums to stainless, tool steels and more exotic high temperature alloys!

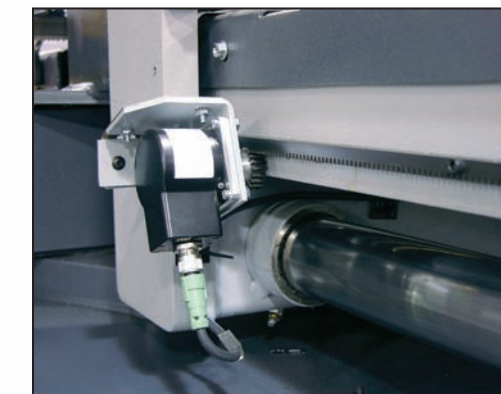
**HEX BUNDLE Clamps**  
Optional, Split vise "Hex" bundle clamps on both main vise and shuttle feed. Adjustable to accommodate a range of Hex bundle sizes.



**Canted Head**  
Optional 6° cant on head allows for less chip load resulting in longer blade life.



**Rack and Pinion Encoder**  
Easily set the cut length via the PLC control on the control console.



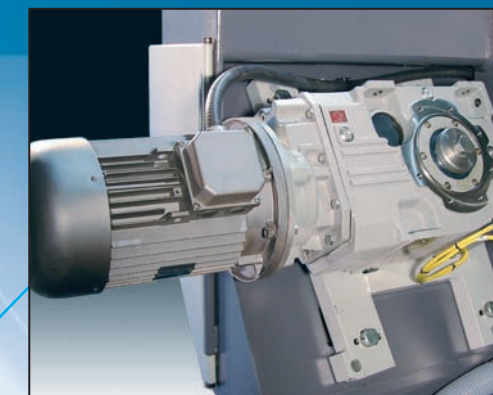
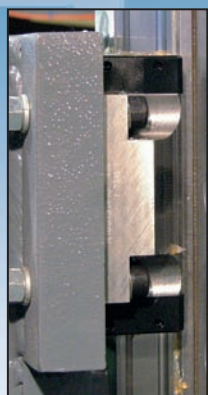
# Dual Post Horizontal Band Saw

10" to 22" Capacity 340 to 560 mm



### Linear Bearings

Hyd-Mech uses linear bearings and hydraulic cylinders to support the machine head. Heat treated and lubricated eliminating any slippage or sticking while in operation and reduces head vibration.



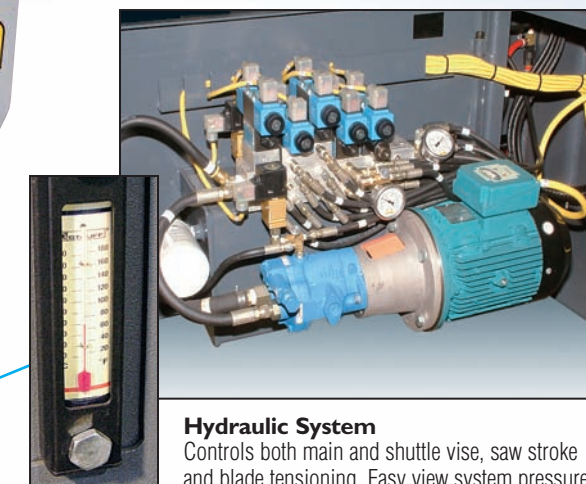
### Robust Gearbox

Controlled by an AC inverter drive allowing for a large range of band speeds. An LED displays the band speed on the control panel.



### Large Band Wheels

Constructed from heavy cast iron, the band wheels are recessed creating less blade twist resulting in longer blade life.



### Hydraulic System

Controls both main and shuttle vise, saw stroke and blade tensioning. Easy view system pressure monitor with swing out compartment door.



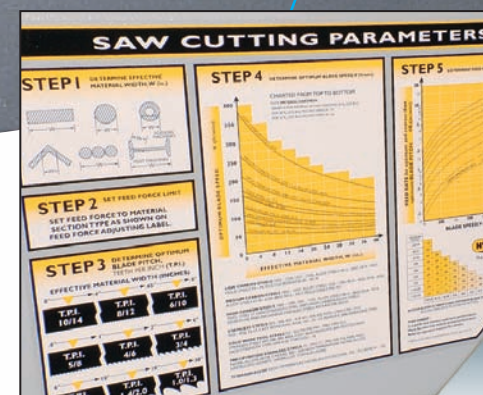
### Robust Guide Arms

Heavy Duty cast iron power guide arms equipped with hydraulic carbide guides, adjust to clamp width providing optimum beam strength and extending blade life.



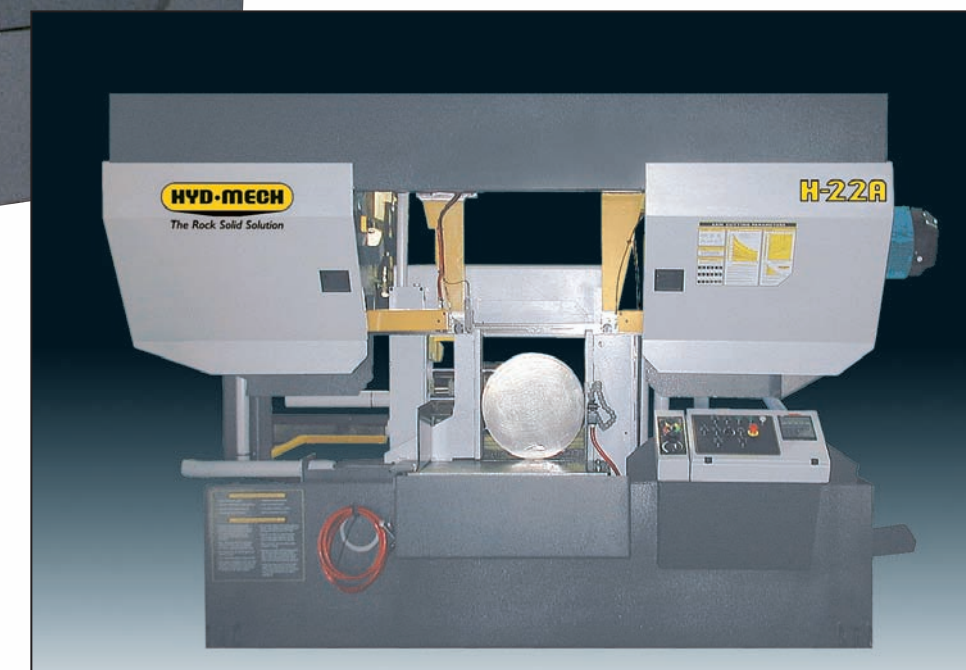
### User Friendly Controls

Ergonomically located at easy operating height. All controls and functions clearly labeled to operate machine in either Automatic or Manual mode. Includes Feed Rate and Cutting Pressure Dials, Fast Approach lever and Emergency Stop Button.



### Operator Instructions

Readily visible in front of the control panel. Operator friendly step to step cutting instructions (available in French, Spanish and other languages upon request). Resulting in quick set up times and more production output.



# H SERIES

## H-18A

### STANDARD FEATURES:

- 10 HP motor
- 1½" blade
- 34" shuttle stroke
- Split front vise
- Carbide guides
- Blade brush
- Hydraulic blade tensioning
- PLC Control

### OPTIONS:

- Full capacity overhead bundle clamps
- Out of stock switch
- Vertical Rollers
- Variable vise pressure
- Mist Coolant System



Also Available the H-18P  
Semi Automatic

18" x 18" Capacity

**The Best**  
**Cost Per Cut Performance in its Class!**



14" x 14" Capacity

## H-14A

With its new design, the H-14A maintains its cost effective operation and user friendly features. The Mitsubishi PLC is conveniently located and controls the automatic cycles and allows for manual operation. Up to 999 different jobs can be entered into the PLC memory and the job queue function allows up to 10 jobs to be picked and run consecutively. This Rock Solid Solution is tough enough to operate in any high production environment!

## H-14A

### STANDARD FEATURES:

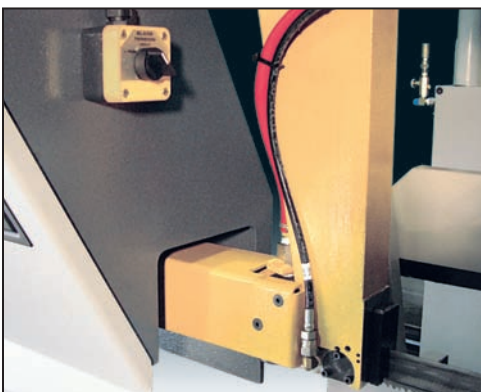
- 7.5 HP Motor with A/C Inverter
- 1½" x 15'4" Blade
- Mitsubishi PLC Controls 999 Jobs and 10 Job Queue Functions
- Shuttle Vise mounted on Linear Rails with 34" Single Stroke (multi-indexing)
- Cast Iron Guide Arms supported by 2 Linear Bearings
- Positive Downfeed System
- Replaceable Carbide Guide Inserts
- Split Front Vise
- Blade Breakage Switch
- Blade Brush
- Hydraulic Chip Auger
- Halogen Worklight
- Flood Coolant System
- Wash Down Hose

### OPTIONS:

- Full Capacity Hydraulic Overhead Bundling
- Variable Vise Pressure
- Out of Stock Switch
- Vertical Rollers
- Mist System
- Blade Deviation Device
- 5' and 10' idler conveyors

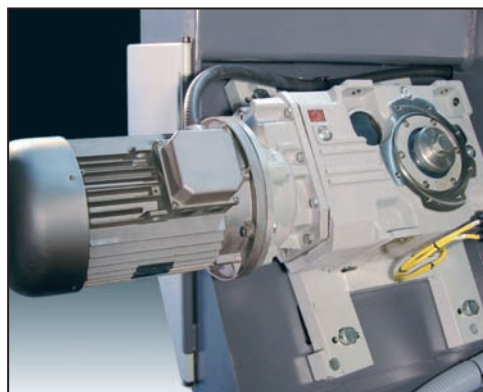
### Blade Tensioning

Hydraulic blade tension provides accurate, consistent and error free blade set up.



### Blade Drive

Powerful 10 HP/7.5 Kw blade motor is mounted directly on the gearbox, eliminating belts and pulleys.



### Split Front Vise

Clamps the material on both sides of the blade during cutting resulting in a more accurate and square cut. Also allows for shorter remnant piece.



### Control Panel

Up to 999 different jobs can be entered into the PLC memory and can be recalled and performed at any time. A job queue function allows up to 10 jobs to run consecutively.



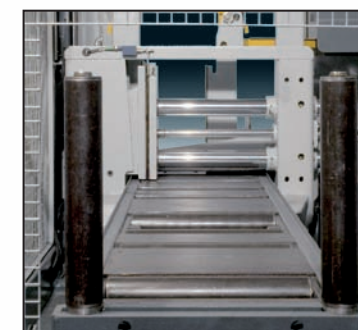
### Blade Wheels

High quality cast iron wheels with heavy duty wheel and gearbox shaft bearings.



### Shuttle System

A roller in feed table and linear bearing mounted shuttle vise assembly provide high speed material indexing of up to 34" in a single movement, with length accuracy of .005" per stroke.



### Variable Vise Pressure

This option provides vise pressure adjustment, on both vises, when thin wall tubing and other light materials are being cut. The feature minimizes the potential for deformation of the material.

