



Fully Automatic with Hydraulic Shuttle Vise

- ▣ Model Number : **AH-400H**
- ▣ Design Style : **Hinge Type**

Specifications

Max. Capacity	Round	400 mm (16")
	Square	400 mm (16")
	Rectangular(H x W)	400 x 400 mm (16" x 16")
Saw Blade	Speed	20-100 m/min (66-330 fpm)
	Size (WxTxL)	4570L x 41W x 1.3Tmm (178" x 1.6" x 0.050")
	Tension	Hydraulic
Motor Output	Saw Blade	7.5 HP (5.5 KW)
	Hydraulic	2 HP (1.5 KW)
	Coolant Pump	1/4 HP (0.19 KW)
Tank Capacity	Hydraulic	40 L (10.6 gal.)
	Coolant	80 L (21 gal.)
Vise Control		Full Stroke Hydraulic Front/Rear Vises
Feeding	Mode	Hydraulic Automatic
	Length	One Stroke 600mm, Max. 5400mm (212") (0-9 times)
Work Bed Height		750 mm (29.5")
Net Weight		2300 kgs (5060 lbs)
Gross Weight		2500 kgs (5500 lbs)
Floor Space(LxWxH)		2650 x 2400 x 2350 mm (104.4" x 94.5" x 92.5")
Shipping Space(LxWxH)		2794 x 2286 x 1829 mm (110" x 90" x 72")

Machine Features

AH-400H Machine Features

Structure

- Oversized hydraulic cylinder

- Back-tilted saw frame for longer blade life
- Hydraulic shuttle vise assembly

Blade Drive

- Specially designed gearbox for high lateral pressure
- Infinitely variable blade speed

Blade Guidance & Lubrication System

- Carbide blade guides with roller bearing guides
- Two additional guides to support the blade
- Rigid guide arm mounted on extra wide dovetail
- Automatic hydraulic blade tensioning device
- Integral coolant system
- Synchronized power driven blade brush

Control & Automation

- Front mounted digital length counter
- LED digital blade speed monitor
- Precision feed pressure & feed rate dual valve system
- PLC control
- Bundle/single cutting mode switch
- Automatic work height selector & air gap eliminator
- Preset piece counter with automatic power off

Material Feeding & Clamping

- Split vise jaws featuring automatic feeding down to remnant length of 3.15" (80mm)
- Double retracting vise jaws
- Full stroke hydraulic front vise
- Ductile cast iron vises with replaceable hardened wear plates
- PLC controlled multiple indexing
- One set of vertical alignment rollers
- Multiple horizontal rollers to facilitate smooth material feeding
- Discharge table with built-in coolant return

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 material stop
- Additional flushing hose
- Bi-metal saw blade
- Built in work light
- Tool box, leveling pads, and an additional wire brush
- Operation & parts manual

Floor plan

