



## Fully Automatic with Hydraulic Shuttle Vise

- Model Number : **AH-320H**
- Design Style : **Double Column Type**

### Specifications

Max. Capacity	Round	320 mm (12.6")
	Square	320 mm (12.6")
	Rectangular(H x W)	380 x 320 mm (15" x 12.6")
Saw Blade	Speed	20-100 m/min (66-330 fpm)
	Size (WxTxL)	4242L x 34W x 1.1Tmm (167" x 1.33" x 0.042")
	Tension	Hydraulic
Motor Output	Saw Blade	5 HP (3.75 KW)
	Hydraulic	1 HP (0.75 KW)
	Coolant Pump	1/8 HP (0.1 KW)
Tank Capacity	Hydraulic	25 L (6.6 gal.)
	Coolant	45 L (11.9 gal.)
Vise Control		Stationary & Movalbe Hydraulic Vise
Feeding	Mode	Hydraulic Automatic
	Length	One Stroke 400mm, Max. 3600mm (141") (0-9 times)
Work Bed Height		790 mm (31")
Net Weight		2000 kgs (4400 lbs)
Gross Weight		2200 kgs (4840 lbs)
Floor Space(LxWxH)		2010 x 2000 x 1500 mm (79" x 79" x 59")
Shipping Space(LxWxH)		2235 x 2184 x 1880 mm (88" x 86" x 74")

### Machine Features

## AH-320H Machine Features

#### Structure

- Oversized precision ground, large dual columns

- Cross link connecting two columns for enhanced structural strength
- Back-tilted saw frame for longer blade life
- Hydraulic shuttle vise assembly

#### **Blade Drive**

- Specially designed gearbox for high lateral pressure
- Inverter controlled infinitely variable blade speed

#### **Blade Guidance & Lubrication System**

- Carbide blade guides with bearing guides
- Two additional guides to support the blade from the top
- Automatic hydraulic blade tensioning device
- Integral coolant system
- Pitch design for coolant drainage
- Synchronized power driven blade brush

#### **Control & Automation**

- Front mounted digital length counter
- LED digital blade speed monitor
- PLC control
- Automatic shutoff sensor for out of stock
- Precision feed pressure & feed rate dual valve system
- Bundle/single cutting mode switch
- Automatic work height selector & air gap eliminator

#### **Material Feeding & Clamping**

- Split vise jaws featuring automatic feeding down to remnant length of 50mm (2")
- Hydraulic front and rear vises
- Ductile cast iron vises with replaceable hardened wear plates
- PLC controlled multiple indexing
- One set of vertical alignment rollers

#### **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 front plate for cut-off stock
- Additional flushing hose
- Bi-metal saw blade
- Built in work light
- Tool box, leveling pads, and an additional wire brush
- Operation & parts manual

\*All designs and specifications are subject to change without notice or obligation

Floor plan

