Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For B120

NC Double Column Metal Cutting Band Saw - Automatic Hitch Feed - H-420HA-NC

Includes Inverter Variable Blade Speed Control, Auto Kerf Compensation, Auto Trim Cut, LCD Touch Screen, Hydraulic Vice Clamping & Hydraulic Downfeed Control

Ex GST	Inc GST
$39,450.00	$43,395.00



ORDER CODE:	B120
MODEL:	H-420HA-NC
Operation Type:	Fixed (Double Column) & Automatic - Hitch Feed
Round @ 90º (mm):	420
Round @ 45º (mm):	~
Round @ 60º (mm):	~
Square @ 90º (mm):	420
Square @ 45º (mm):	~
Square @ 60º (mm):	~
Rectangle (W x H) @ 90º (mm):	420 x 420
Rectangle (W x H) @ 45º (mm):	~
Rectangle (W x H) @ 60º (mm):	~
Coolant System:	Yes
Table Working Height (mm):	800
Base Dimensions (mm):	~
Cutting Head Beam Type:	Fully-Automatic
Cutting Head Beam Return:	Auto-Hydraulic Return
Cutting Head Down Feed Control:	Adjustable Hydraulic
Vice Clamping Fixture:	Automatic-Hydraulic
Bundle Cutting Fixture:	Yes
Blade Steps / Speeds (M/Min):	Variable 20-100
Blade Size (L x W x T) (mm):	4880 x 41 x 1.3
Motor Power (kW / hp):	5.5 / 7.5
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	2500

Description

Manufactured in Taiwan

Fully automatic and intelligent HMI touch screen programmable NC control accepts many different job quantities and lengths complete with hydraulic vice clamping and hitch feed system

Functions:
1. AUTOMATIC KERF COMPENSATION: Blade thickness for multiple indexing: This function allows and calculates the blade thickness into the programmed cut length so you achieve your desired length required (factory pre-set)

2. AUTOMATIC LOCATE TRIM CUT: When the material is placed in rear vice and this function is selected the machine will automatically find the material end and set up trim cut to the programmed value

3. "SAVE-A-BLADE": To prevent carbide blade tooth deformities. This function retracts the material back approx 3mm away from the blade preventing the carbide blade teeth rubbing on the material on the return after completion of cut. This is activate via selecting the carbide blade function on the control panel

4. AUTOMATIC MATERIAL ZERO POINT LOCATION: This function automatically finds the start point of the material preventing unnecessary trim cut waste

5. AUTOMATIC SHUT-OFF: For finished jobs or out of stock

6. SIMPLIFIED SELF DIAGNOSTICS: Error code display

7. LCD SCREEN: With touch screen display

Features

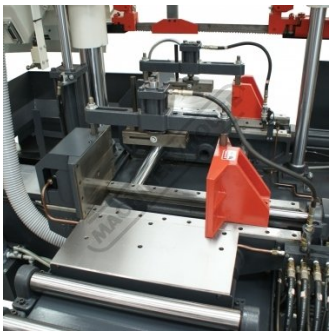
- Bundle and single cutting mode switch includes bundle cutting clamps (nesting fixture)
- Idle wheel motion proximity switches shuts off machine if blade breaks or slips
- Coolant system incorporating a wash down hose with trigger gun
- Back-tilted saw frame for longer blade life
- Inverter controlled infinitely variable blade speed 20-100mpm
- Material height sensor for beam to rapid down and start cut feed rate when reached material
- Precision feed pressure & feed rate dual valve system for optimal performance in any material
- Hydraulic operated carbide blade guides with additional ball bearing guides provides superior accuracy and reduce friction for longer blade

life
- Large double columns precision ground for additional support
- Automatic (work height) material sensor with rapid approach
- Automatic hydraulic blade tensioning system with maximum pressure of 30kg/cm2
- Electrical and hydraulic safety interlock prevents machine starting if vices not securely clamped
- Synchronised power driven blade cleaning brush removes swarf from blade
- Double retracting vice jaws (feeding vice only) reduces friction from jaws rubbing on material during the feeding process
- Full stroke hydraulic cylinder vice provides quicker set-up of jobs
- Hydraulic swarf conveyor directs excess waste to side of machine
- Fitted with vibration dampening device for better cut finishes, blade wear & blade life
- Dual vice clamping providing burr free cut

Specific Features

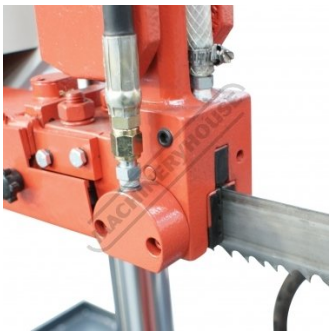

Dual Column Design


Bundle Cutting Clamps


Bundle Cutting Clamps Fitted


Blade Breakage Sensor


Hydraulic Blade Tension


Hydraulic Blade Guides


Powered Blade Cleaning Brush


Halogen Work Light


Material Sensor


Hydraulic Chip Conveyor

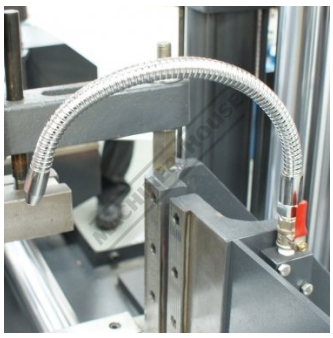

Blade Drive System


Blade Guard Micro

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For B120


Cast Iron Blade Wheels


Coolant Hose


Coolant Cleaning Gun and Pump


Electrical Control Cabinet


NC Control Panel



Blade Feed Controller


Control Panel


Touch Screen Home Page


Touch Screen Programme Edit Page


Touch Screen Diagnostics Page


On Off Switches


Hydraulic Full Stroke Vice


Rear Back View


Rear View

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For B120

Recommended Accessories

B596

Metal Band Saw Blade - 2-3TPI Bi-Metal, Blade - 4880 x 41 x 1.3mm



B597

Metal Band Saw Blade - 4-6TPI Bi-Metal, Blade - 4880 x 41 x 1.3mm



S090

Soluble Metal Cutting Fluid - 5 Litre



S091

Soluble Metal Cutting Fluid - 20 Litre



L300

Magnetic Swarf Remover



L830

Roller Conveyor with Adjustable Stands - Heavy Duty



L835

Roller Conveyor with Adjustable Stands - Extra Heavy Duty



L837

Roller Conveyor with Adjustable Stands - Extra Heavy Duty

