

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) Prec Cut, Kerf Control, Touch Screen, Hydraulic Vice Clamping & Hydraulic Downfeed Control

**Ex GST**                      **Inc GST**  
**\$40,950.00**            **\$45,045.00**



ORDER CODE:	B120
MODEL:	H-420HA-NC
Operation Type:	Fixed (Double Column) & Automatic - Hitch Feed
Round @ 90° (mm):	420
Round @ 45° (mm):	~
Round @ 60° (mm):	~
Square @ 90° (mm):	420
Square @ 45° (mm):	~
Square @ 60° (mm):	~
Rectangle (W x H) @ 90° (mm):	420 x 420
Rectangle (W x H) @ 45° (mm):	~
Rectangle (W x H) @ 60° (mm):	~
Coolant System:	Yes
Table Working Height (mm):	800
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

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- 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/cm<sup>2</sup>
- 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

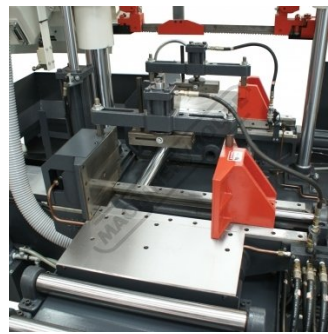
### Specific Features



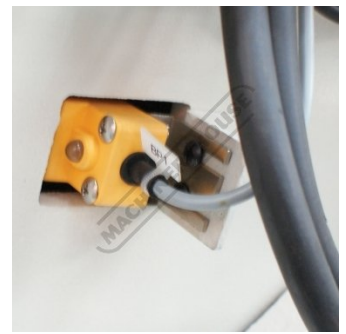
Dual Column Design



Bundle Cutting Clamps



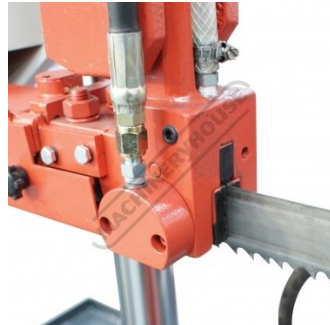
Bundle Cutting Clamps Fitted



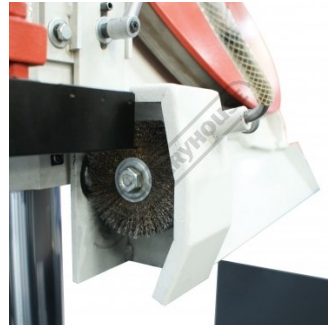
Blade Breakage Sensor



Hydraulic Blade Tension



Hydraulic Blade Guides



Powered Blade Cleaning Brush



Halogen Work Light



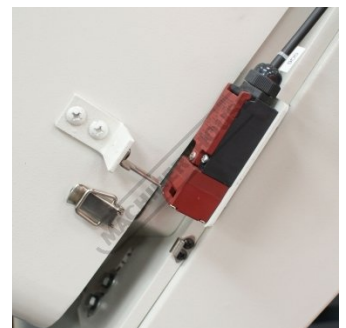
Material Sensor



Hydraulic Chip Conveyor



Blade Drive System

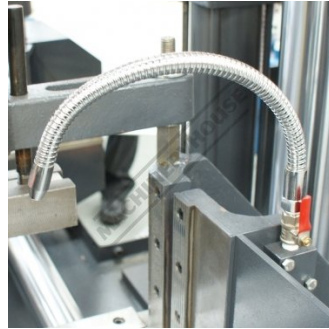


Blade Guard Micro

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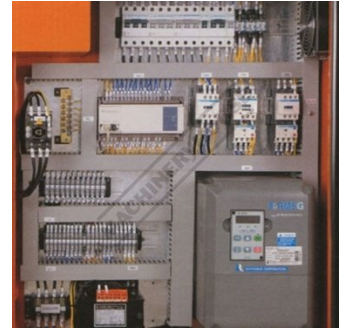
Cast Iron Blade Wheels



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

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**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



**S090A**

Soluble Metal Cutting Fluid - 1  
 Litre



**S090**

Soluble Metal Cutting Fluid - 5  
 Litre



**S076**

Cutting Tool Lubricant Fluid -  
 500ml



**S077**

Drilling, Tapping & Cutting Tool  
 Lubricant Spray - 400g



**S075**

Cutting Tool Lubricant Paste -  
 200g



**S074**

Cutting Tool Lubricant Paste -  
 500g



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S091

Soluble Metal Cutting Fluid - 20 Litre



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



L830

Roller Conveyor with Adjustable Stands - Heavy Duty



L835

Roller Conveyor with Adjustable Stands - Extra Heavy Duty



L818

Roller Conveyor



L820

Roller Conveyor Stand



W3434

Roller Stand



W3436

Roller Stand - V-Type



W343A

Roller Stand



W343

Roller Stand



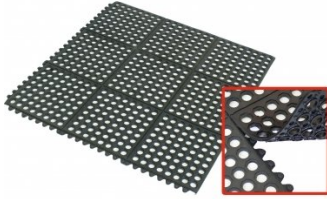
M800

Rubber Mat - Anti-Fatigue



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**M805**  
 Rubber Mat - Anti-Fatigue



**O000**  
 SpillFix Universal Organic Absorbent



**O043**  
 Rust & Corrosion Preventive



**O042**  
 General Purpose Lubricant & Corrosion Inhibitor



**O040**  
 Rust & Corrosion Preventive



**O044**  
 Rust & Corrosion Preventive

