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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

Contact us for Free Quote & Delivery

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 @ 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
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

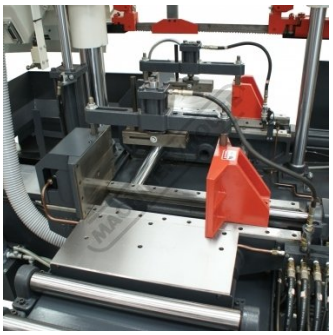
- Bundle and single cutting mode switch includes bundle cutting clamps (nesting fixture)
- Idle wheel motion proximity switches shuts off machine if blade breaks or slips
- Coolant system incorporating a wash down hose with trigger gun
- Back-tilted saw frame for longer blade life
- Inverter controlled 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

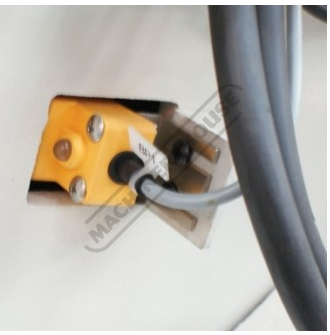
life
- Large double columns precision ground for additional support
- Automatic (work height) material sensor with rapid approach
- Automatic hydraulic blade tensioning system with maximum pressure of 30kg/cm2
- Electrical and hydraulic safety interlock prevents machine starting if vices not securely 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

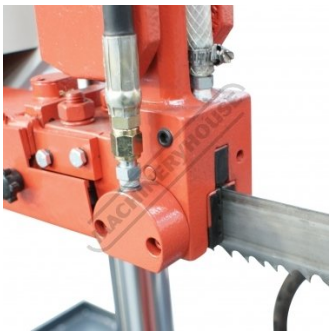
Dual Column Design

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

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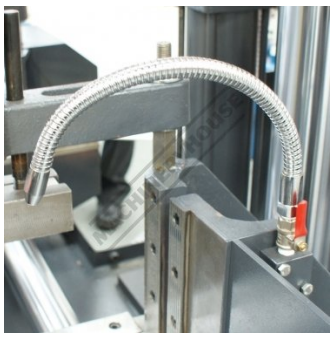
Cast Iron Blade Wheels


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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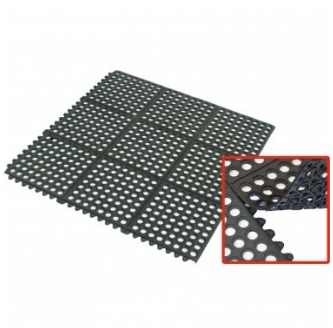
M805
Rubber Mat - Anti-Fatigue



O000
SpillFix Universal Organic Absorbent

O043
Rust & Corrosion Preventive

O042
General Purpose Lubricant & Corrosion Inhibitor

O040
Rust & Corrosion Preventive

O044
Rust & Corrosion Preventive