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Product Brochure For S904G

Hydraulic NC Pressbrake - PB-110B

110T x 3200mm

NC-89 Ezy-Set Go-To Control 2-Axis with Hardened Ballscrew Backgauge - Includes Safety Light Guarding



ORDER CODE:	S904G
MODEL:	PB-110B
Control Unit (Type):	NC-89 Ezy-Set Go-To
Nominal Pressure - Tonnage (Ton):	110
Nominal Pressure - Kilonewtons (kN):	1000
Length of Work Table (mm):	3200
Distance Between Columns (mm):	2650
Throat Depth (mm):	320
Maximum Open Height (mm):	390
Ram Stroke (mm):	130
Machine Axis (No.):	2
Safety Guarding System (Type):	Light Curtain System
Backgauge Travel (mm):	600
Table Bed Crowning System (Type):	~
Motor Power (kW / hp):	7.5 / 10
Motor Voltage (V):	415
Floor Space Requirements (L x W x H) (mm):	~
Nett Weight (kg):	7500

METALMASTER

1 YEAR WARRANTY

NO PLUG 415V

Description

MetalMaster Quality Pressbrakes feature high durability, and provide precision bending capabilities. The Pressbrake main frames are constructed from rolled, stress relieved solid steel to prevent distortion during the bending process and under extreme continuous loads.

MetalMaster Pressbrakes are produced in a high volume production process and therefore are able to be manufactured cost effectively, resulting in affordable price, representing value for money and quicker return on investment.

Featuring an adjustable synchronised torsion bar with positive stop system ensures consistent and accurate bending beam parallelism tolerance to 0.01mm via the digital Control unit.

All electrical components are of European quality supplied by, Telemecanique, Merlin Gerin and ABB.

Features

- Hydraulic / Mechanical ram, synchronised positive stop design, ram stroke controlled by precision mechanical nut depth stops built into each cylinder. Electronically controlled by Ezy-Set NC-89 Go-To Programmable digital control assuring accurate repeatability.
- Parallelism is ensured by torsion bar that can be easily adjusted by clutch system.
- Ezy-Set NC-89 Go-To Programmable hardened ballscrew backgauge with adjustable height finger stops.
- Segmented heavy duty 86° offset top punch is segmented for return bend clearance, complete with European style quick release punch holder with an adjustable wedge clamping system for crowning. Intermediate clamp has safety key to stop punch dropping.
- Multi vee ('V') bottom die is made from one 3200mm solid die block design to handle heavy plate, safety edge vee ('V') is incorporated in bottom die block.
- Conveniently mounted control box on pendant for quick swivel and adjustments.
- Mono-block steel frame design, welded then machined to ensure minimal bed deflection under load
- Enclosed rear gate with micro safety switches complete with sliding rear door for easy access.
- European quick release style top punch and clamping system, allowing operator to change position of tooling to suit multiple requirements on complex applications. This feature ensures minimum down time, more productivity and results in reduced cost per finished product.
- Sliding steel fabricated sheet supports enabling a wide range of material sizes to be aligned and supported at the correct required height. This feature is achieved with a "T" slot machined down the total length of the die bed; sheet supports are also adjustable vertically to assist in supporting material with return bends already folded.
- Adjustable sliding blocks control the machines beam to provide desirable open height distance to the (slow speed) mute bending point. Operator adjustable locking knobs for quick adjustment, enables accurate repeatability and increased productivity.
- Metal safety guarding surrounding the machine with rear sliding door fitted and micro switch ensuring operator safety. Clear access panels placed at each end of machine allows the operator to clearly view tooling and work piece during bending operation. MetalMaster specially design gates to suit Australian safety requirements.
- Hydraulic MPA pressure gauge mounted on right side of support frame with quick adjusting pressure control knob allowing operator to

accurately set the pressure required for different material thickness, incorporating with hydraulic overload protection.
- Welded steel fabricated synchronised torsion bar horizontally supporting main bending beam to provide consistent parallelism that also can be adjusted for taper correction.
- The vertical supporting slides are treated to provide greater ware resistance and increased accuracy.
- Includes safety control guarding system with light curtains fitted
- Mild steel capacity is rated on hot rolled material with 250MPA

- Pre-Commissioning:
- 1. Pressbrake bender is run & tested prior delivery
- 2. Hydraulic oil is included with machine

Includes

- Swivel pendant control unit operated by Ezy-Set NC-89 Go-To control
- Sliding front sheet support arms
- Emergency stop buttons conveniently located on control panel and foot control
- Mobile dual operation foot control
- Segmented 86° offset top punch
- Solid one piece four way multi vee (V) die block
- Quick action top punch tool holder system with wedge type adjustment
- Powered hardened ballscrew backgauge with 520mm travel, operated by Ezy-Set NC-89 Go-To control
- Oil tank level indicator
- Metal constructed safety guarding surrounding machine with clear side viewing panels
- Integrated hydraulic system allowing rapid approach switching automatically to slow bend
- Includes safety control guarding system with light curtains fitted

Specific Features

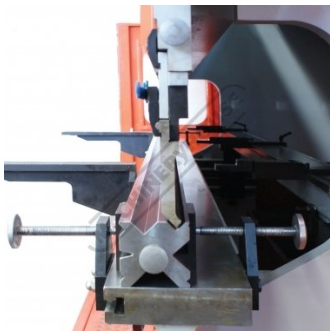

Ezy Set NC 89 Go To Controller



Ezy Set NC 89


Adjustable Travel Limit Control


Enclosed Rear Safety Guarding


Top & Bottom Tooling


Quick Action Intermediate Clamps

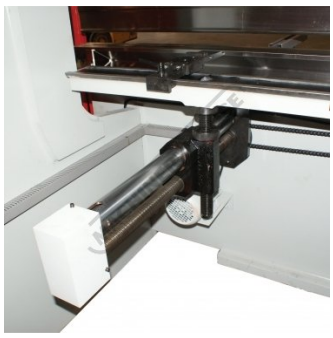

Adjustable & Sliding Front Sheet Supports



Adjustable Pressure Control

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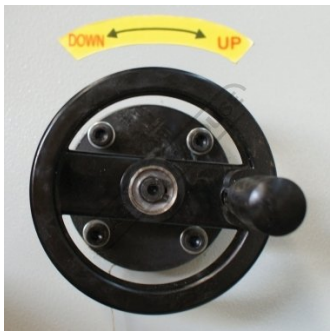

Ezy Set NC 89 Control with Ballscrew Backgauge


Mobile Foot Control



Mobile Foot Control-Top Buttons


Adjustable Top Tool Taper Wedge System



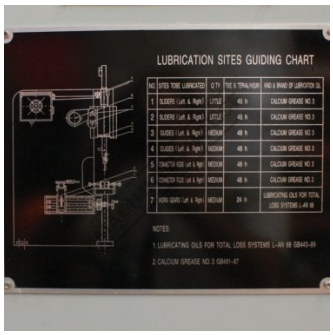
Fine Adjustment Beam Positioning



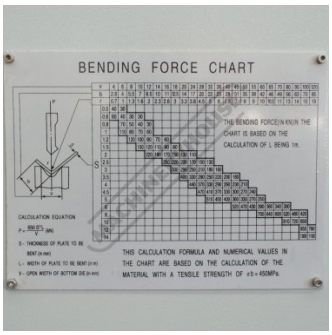
Fine Adjust Backgauge


Synchronised Torsion Bar

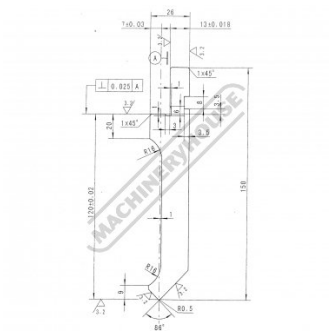

Synchronised Torsion Bar

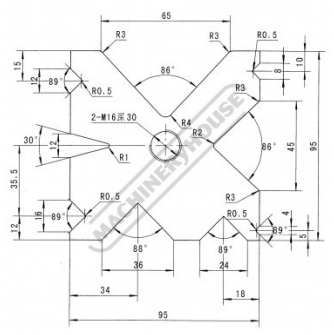


Lubrication Chart



Tonnage Calculation Chart


Segmented Top Punch

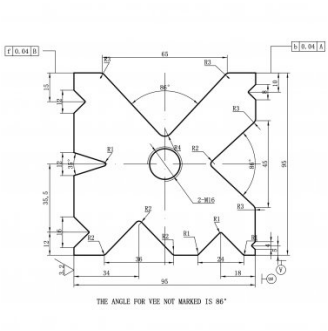

One Piece 4 Sided Die

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Recommended Accessories

S993

95mm Die Block Pressbrake Tooling



S991

86º Top Punch Pressbrake Tooling



S991F

86º Top Punch Pressbrake Tooling



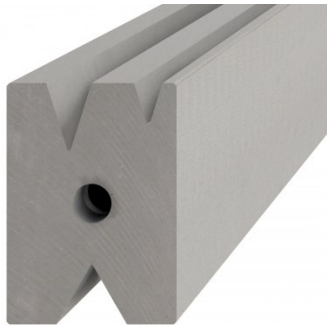
S996

15º Top Punch Pressbrake Tooling



S996A

60mm Die Block Pressbrake Tooling



S996B

60mm Die Rail Pressbrake Tooling



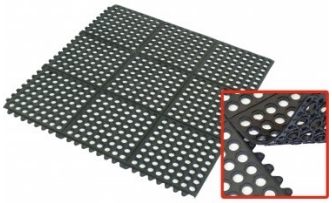
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



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O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive



O004
Superdraulic ISO 46 Hi Temp Hydraulic Oil

