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Product Brochure For S912C

Hydraulic NC Pressbrake - PB-200B

220T x 4000mm

NC - E200 Estun Control 2-Axis with Hardened Ballscrew Backgauge & Table Crowning



ORDER CODE:	S912C
MODEL:	PB-200B
Control Unit (Type):	NC-E200 Estun
Nominal Pressure - Tonnage (Ton):	220
Nominal Pressure - Kilonewtons (kN):	2000
Length of Work Table (mm):	4000
Distance Between Columns (mm):	3200
Throat Depth (mm):	420
Maximum Open Height (mm):	450
Ram Stroke (mm):	200
Machine Axis (No.):	2
Safety Guarding System (Type):	~
Backgauge Travel (mm):	550
Table Bed Crowning System (Type):	Yes
Motor Power (kW / hp):	15 / 20
Motor Voltage (V):	415
Floor Space Requirements (L x W x H) (mm):	~
Nett Weight (kg):	16500

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

- NC E200 Estun programmable digital control stores up to 40 programs with 25 automatic progressive steps in each assuring accurate repeatability
- NC E200 Estun programmable hardened ballscrew backgauge supported by two guideways
- R-Axis finger stops mounted on liner guideways, each finger stop also incorporates a micro adjustable dial.
- Manual crowning system allows operator to adjust table bed to correct the deflection than can occur towards the centre of the pressbrake
- Hydraulic / Mechanical ram, synchronised positive stop design, ram stroke controlled by precision mechanical nut depth stops built into each cylinder.
- Parallelism is ensured by torsion bar that can be easily adjusted by clutch system.
- Segmented heavy duty 86° offset top punch is segmented for return bend clearance and incorporates a safety key to stop punch dropping.
- Multi vee ('V') bottom die is made from one 4000mm solid die block design to handle heavy plate, safety edge vee ('V') is incorporated in bottom die block.
- Individually screw adjustable heavy duty R-Axis backgauge mounted onto linear guideways.
- 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.
- Adjustable heavy duty front Sheet supports mounted on smooth operating liner guideways.
- 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.
- 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.
- Reinforced side frames providing addition support strength to machine throat
- Mild steel capacity is rated on hot rolled material with 250MPA

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

Includes

- NC ESTUN E200 control on swivel pendant control unit
- NC ESTUN E200 controlled hardened ballscrew backgauge with 550mm travel
- Sliding front sheet support arms on linear guideways
- Individually adjustable R-Axis backgauge
- Micro adjustable back stops
- Inverter speed control
- Manual bed crowning system
- Mobile dual operation foot control
- Segmented 86° offset top tooling
- Top tooling tool quick action intermediate holder system with wedge type adjustment
- Solid one piece four way multi vee (V) die block
- Metal constructed safety guarding surrounding machine with clear side viewing panels
- Integrated hydraulic system allowing rapid approach switching automatically to slow bend
- Oil tank level indicator



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Specific Features


Enclosed Rear Safety Guarding


NC E200 ESTUN Controller

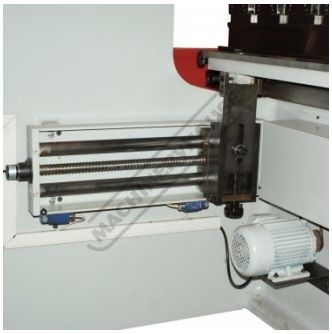


NC ESTUN E200 Main Screen



NC ESTUN E200 Program Screen

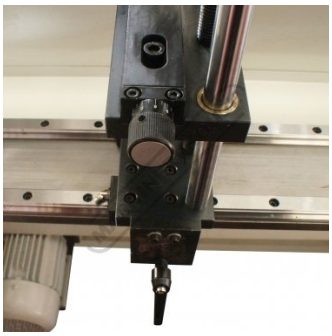

Sheet Support with Scale and Flip Over Stops


Ballscrew Backgauge System

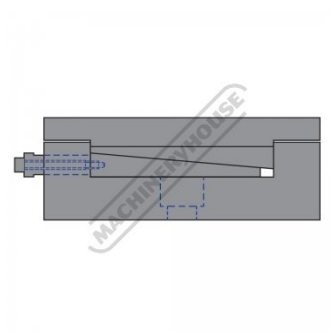

Adjustable Height Ballscrew Backgauge

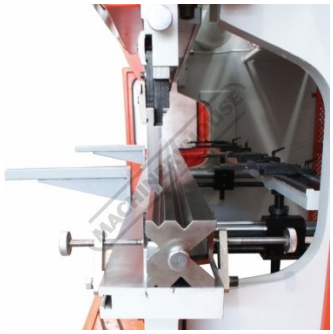

R Axis with Micro Adjustment


Adjustable R Axis Height with Dial on Linear Guideways

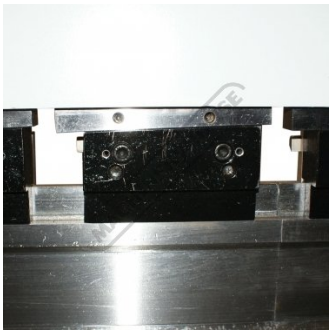

Micro Adjustment Backstop


Flip Up Backstop


Table Bed Crowning


Top and Bottom Tooling


Quick Action Intermediate Clamps

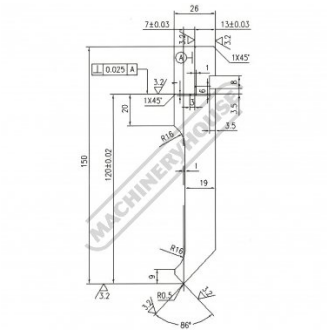

Adjustable Top Tool Taper Wedge System

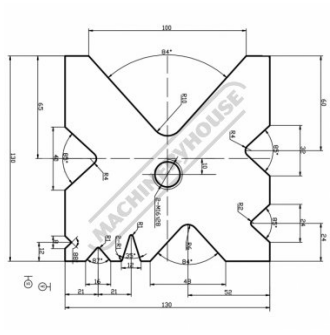

Adjustable Travel Limit Control

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Synchronised Torsion Bar


Segmented Top Punch


One Piece 4 Sided Die


Mobile Foot Control



Controller Top View



Adjustable Pressure Control

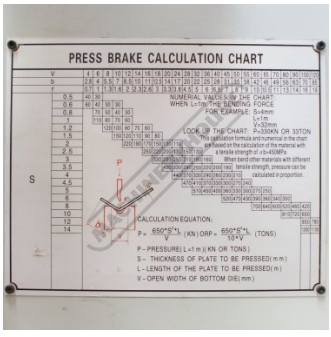


Fine Adjust Back Gauge


Fine Adjustment Beam Positioning



Lubrication Chart



Tonnage Calculation Chart



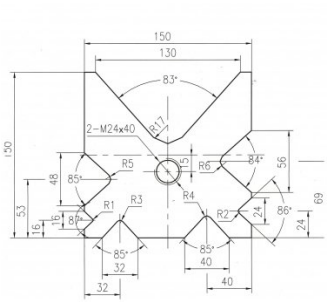
Shown with Optional Ball Transfer Tables - Order Code (L840)

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Recommended Accessories

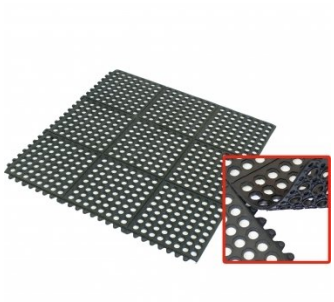
S995
150mm Die Block Pressbrake Tooling



M800
Rubber Mat - Anti-Fatigue



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



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Product Brochure For S912C

O004

Superdraulic ISO 46 Hi Temp
Hydraulic Oil

