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Product Brochure For S909C

Hydraulic NC Pressbrake - PB-170B

176T x 3200mm

NC - E200 Estun Control 2-Axis with Ballscrew Backgauge



ORDER CODE:	S909C
MODEL:	PB-170B
Control Unit (Type):	NC-E200 Estun
Nominal Pressure - Tonnage (Ton):	176
Nominal Pressure - Kilonewtons (kN):	1600
Length of Work Table (mm):	3200
Distance Between Columns (mm):	2600
Throat Depth (mm):	420
Maximum Open Height (mm):	470
Ram Stroke (mm):	200
Machine Axis (No.):	2
Safety Guarding System (Type):	~
Backgauge Travel (mm):	550
Table Bed Crowning System (Type):	~
Motor Power (kW / hp):	11 / 15
Motor Voltage (V):	415
Floor Space Requirements (L x W x H) (mm):	~
Nett Weight (kg):	11100

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.
- 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, 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.
- Individually screw adjustable heavy duty R-Axis backgauge mounted onto linear guideways.
- 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.
- 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 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
- Sliding front sheet support arms on linear guideways
- Individually adjustable R-Axis backgauge
- Micro adjustable back stops
- Inverter speed control
- Mobile dual operation foot control
- Segmented 86° offset top tooling
- Solid one piece four way multi vee (V) die block
- Quick action top tooling tool holder system with wedge type adjustment
- 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

Specific Features


Right View


Left View


Enclosed Rear Safety Guarding


NC E200 ESTUN Controller



NC ESTUN E200 Main Screen



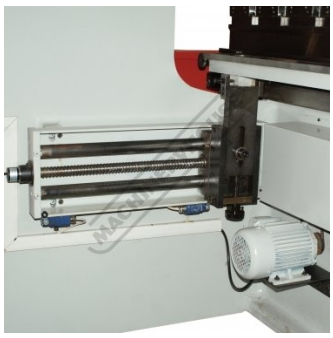
NC ESTUN E200 Program Screen


Adjustable and Sliding Front Sheet Supports on Linear Guideways


Sheet Support with Scale and Flip Over Stops

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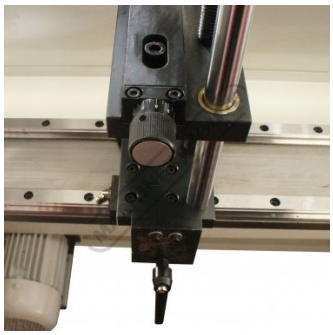
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Ballscrew Backgauge System


Adjustable Height Ballscrew Backgauge


R Axis with Micro Adjustment


Adjustable R Axis Height with Dial on Linear Guideways


Micro Adjustment Backstop


Flip Up Backstop


Quick Action Intermediate Clamps


Adjustable Top Tool Taper Wedge System


Top and Bottom Tooling


Adjustable Travel Limit Control


Synchronised Torsion Bar


Synchronised Torsion Bar

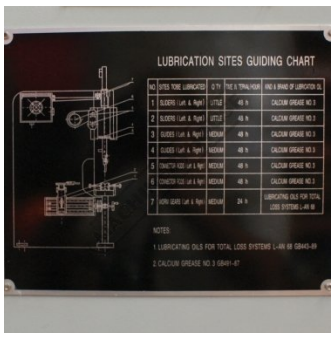

Mobile Foot Control



Controller Top View



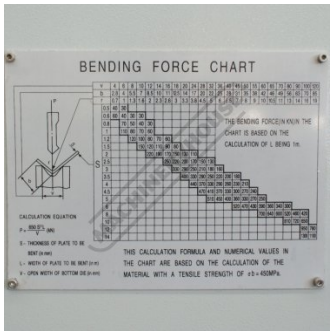
Adjustable Pressure Control



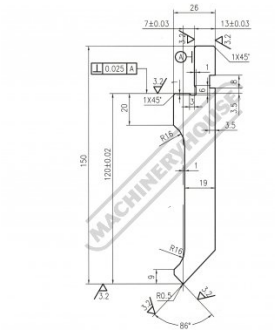
Lubrication Chart

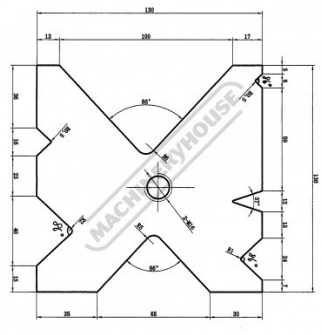
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Tonnage Calculation Chart


Segmented Top Punch

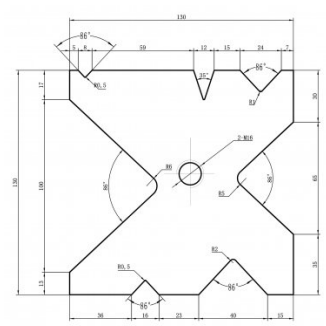

One Piece 4 Sided Die


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

Recommended Accessories

S994

130mm Die Block Pressbrake Tooling



S991

86º Top Punch Pressbrake Tooling



S991F

86º Top Punch Pressbrake Tooling



S990

35º Top Punch Pressbrake Tooling



S990F

35º Top Punch Pressbrake Tooling



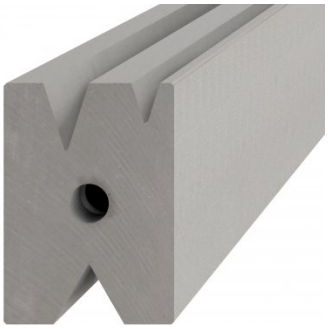
S996

15º Top Punch Pressbrake Tooling



S996A

60mm Die Block Pressbrake Tooling



S996B

60mm Die Rail Pressbrake Tooling



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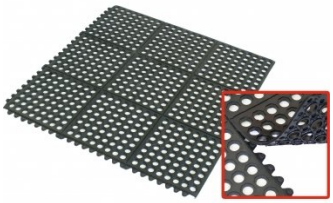
S988
Quick Action Intermediate Clamps



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



O004
Superdraulic ISO 46 Hi Temp Hydraulic Oil

