

## **S909C Hydraulic NC Pressbrake PB-170B**



**Code:** S909C  
**Model:** PB-170B  
**Capacity:** 176T x 3200mm  
**Weight (Nett):** 11100  
**Dimensions:** 348 x 176 x 257

### **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 off European quality supplied by, Telemecanique, Merlin Gerin and ABB. Hydraulic control units are supplied by Aron from Italy.

### **Features**

- NC E200 Estun programmable digital controller stores up to 40 programs with 25 automatic progressive steps in each assuring accurate repeatability
- NC E200 Estun programmable 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 (VV) bottom die is made from one 3200mm solid die block design to handle heavy plate, safety edge vee (VV) is incorporated in bottom die block.

- Individually screw adjustable heavy duty R-Axis backgauge mounted onto linear guideways.
- Adjustable heavy duty front Sheet supports mount 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

## Includes

- NC ESTUN E200 controller & Axis on swivel pendant control unit
- NC ESTUN E200 controlled ballscrew backgauge
- Sliding front sheet support arms on linear guideways
- Individually adjustable R-Axis backgauge
- Micro adjustable back stops
- Inverter speed controller
- 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
- 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

## Specifications

<b>CODE</b>	S909C	<b>Throat Depth</b>	420mm
<b>2-Axis Controller Type</b>	NC-E200 Estun	<b>Ram Stroke</b>	200mm
<b>Model</b>	PB-170B	<b>Motor Power</b>	11kW / 15hp
<b>Nominal Pressure Ton</b>	176 Ton	<b>Motor Voltage</b>	415V
<b>Nominal Pressure Kilonewton</b>	1600kN	<b>Weight (Nett)</b>	11100kg
<b>Length Of Work Table</b>	3200mm		
<b>Distance Between Columns</b>	2600mm		
<b>Maximum Open Height</b>	470mm		
<b>Backgauge Travel</b>	550mm		