

METALMASTER PB-170B



Hydraulic NC Pressbrake

176T x 4000mm - Includes Laser Safety Guarding



METALMASTER Hydraulic NC Pressbrake PB-170B



Enclosed Rear Safety Guarding



NC Estun E21 Controller



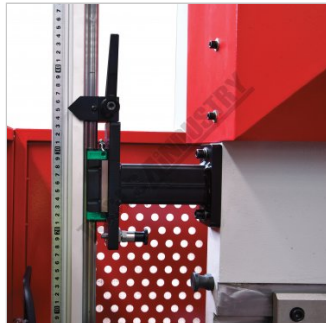
NC Estun E21



Right Laser



Left Laser



Laser Alignment Guide



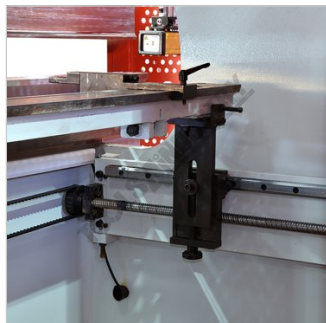
Adjustable Travel Limit Control



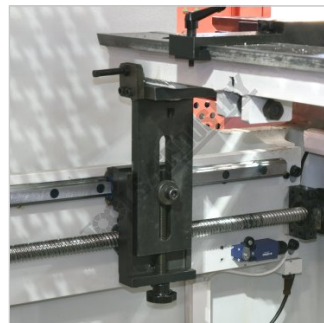
Laser Guarding system In Use



Sheet Supports



LM Guide Ballscrew Backgauge



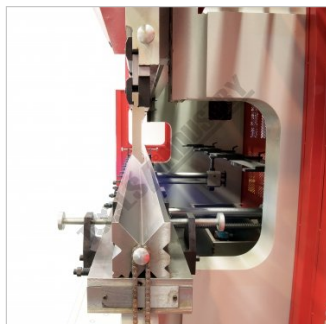
LM Guide Ballscrew Backgauge



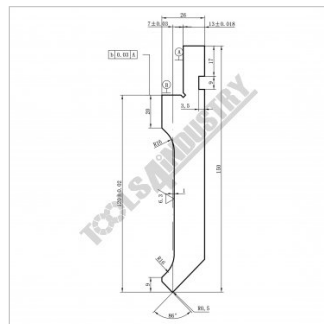
Intermediate Clamps



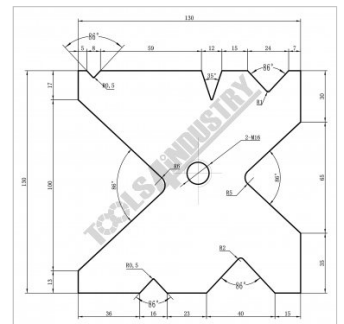
Adjustable Top Tool Taper Wedge System



Top and Bottom Tooling



Segmented Top Punch



One Piece 4 Sided Die

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Table Crowning Adjustment via Bolts



Table Crowning Adjustment Bolts

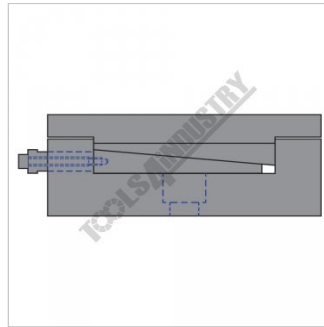
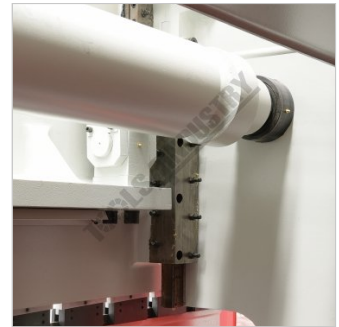


Table Bed Crowning



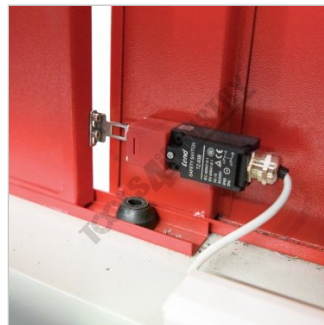
Torsion Bar



Mobile Foot Control



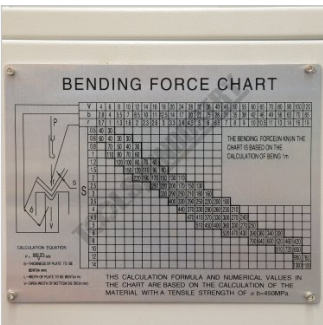
Mobile Control Panel



Rear Doors Safety Micro Switch



Adjustable Pressure Gauge



Bending Force Chart

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 an affordable price, representing value for money and quicker return on investment.

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

METALMASTER Hydraulic NC Pressbrake PB-170B**Features**

- ESTUN E21 NC Controller
- Stores up to 40 programs with 25 bending steps per program
- Position control of Backgauge
- Backgauge retract function
- Bottom stroke dwell timer
- Work piece counting
- One-key backup / restore
- LCD Display

- LASER GUARDING -
- Laser guarding provides close proximity operator protection allowing faster bending cycles, promoting higher productivity
- The Laser system is compliant with requirements of EN61496-1, EN61496-2, ISO 13849-1 Ple, as well as AS/NZS 4024.1503
- Australian designed electrical system featuring dual channel monitoring on all essential machine functions
- Top beam speed & stopping performance are all real time monitored to ensure compliance with safety regulations

- METALMASTER Pressbrakes -
- Dual Hydraulic rams balanced by a heavy duty torsion bar, Electronically controlled by the E21 NC control assuring accuracy & repeatability.
- High performance side mount back gauge with linear guides & ballscrew provides fast and accurate positioning
- Segmented heavy duty 86° top punch
- European style punch holder with an adjustable wedge clamping system for crowning
- Multi vee ('V') bottom die is made from one solid 4000mm die block design to handle heavy plate, safety edge vee ('V') is incorporated in bottom die block.
- 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.
- Metal safety guarding surrounding the machine with rear sliding door fitted with micro switch ensuring operator safety.
- Hydraulic pressure gauge with quick adjust pressure control & over pressure protection allows the operator to accurately set the pressure required for different material thickness.
- The vertical supporting slides are treated to provide greater wear resistance and increased accuracy.
- Reinforced side frames providing addition support strength to machine throat
- Includes laser guarding system
- 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

METALMASTER Hydraulic NC Pressbrake PB-170B

Includes

- ESTUN NC- E21 control mounted on a swivel pendant for optimal ergonomics
- LED superior bright work lights provides clearer view to workpiece
- Sliding front sheet support arms
- Manual bed crowning system
- Mobile dual operation foot control
- 86 Degree Top Punch with Segments (4x800, 1x365, 1x200, 1x100, 1x50, 1x40, 1x20, 1x15, 1x10)
- Top tooling tool intermediate holder system with wedge type adjustment
- Multi V bottom die block 130 x 130mm with a range of V's between 8mm~100mm
- Premium side mount linear way ballscrew backgauge with 550mm travel
- Metal constructed safety guarding surrounding machine

Specifications

ORDER CODE	S910GL
MODEL	PB-170B
Control Unit (Type)	Estun NC-E21
Nominal Pressure - Tonnage (Ton)	176
Nominal Pressure - Kilonewtons (kN)	1600
Length of Work Table (mm)	4000
Distance Between Columns (mm)	3200
Throat Depth (mm)	420
Maximum Open Height (mm)	470
Ram Stroke (mm)	200
Machine Axis (No.)	2
Safety Guarding System (Type)	Laser System
Backgauge Travel (mm)	550
Table Bed Crowning System (Type)	Mechanical Crowning System
Motor Power (kW / hp)	11 / 15
Motor Voltage (V)	415
Floor Space Requirements (L x W x H) (mm)	4700 x 2200 x 2900
Nett Weight (kg)	14100