

METALMASTER PB-70E



Hydraulic NC Pressbrake

70T x 2500mm



METALMASTER PB-70E Hydraulic NC Pressbrake



Right View



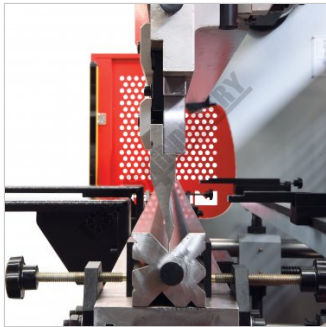
Enclosed Rear Safety Guarding



NC Estun E21 Controller



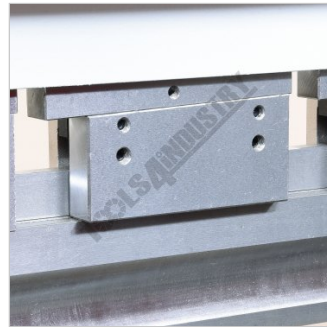
NC Estun E21



Top And Bottom Tooling



Intermediate Clamps



Adjustable Top Tool Taper Wedge System



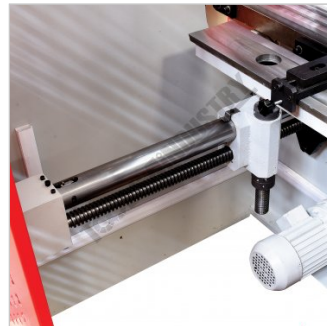
Adjustable Front Sheet Supports



Tooling Bed Clamps



Safety Guarding



Estun NC E21 Control Ballscrew Backgauge



Estun NC E21 Control Ballscrew Backgauge 2



Backgauge Stops



Synchronised Torsion Bar

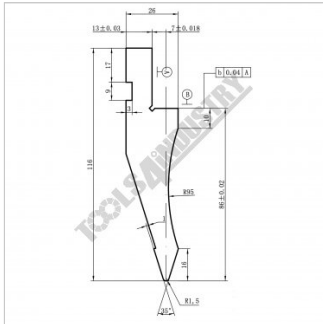


Adjustable Pressure Control

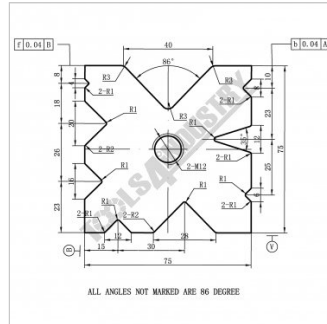


Mobile Foot Control

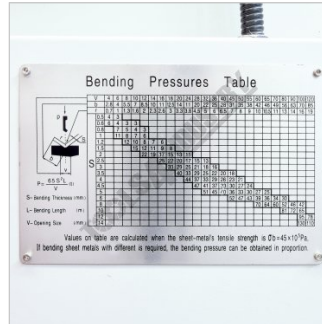
METALMASTER PB-70E Hydraulic NC Pressbrake



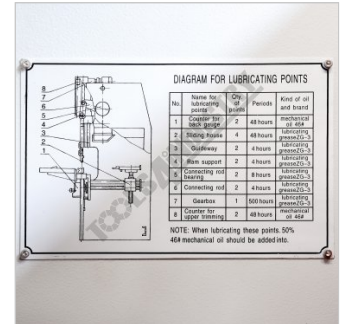
Segmented Top Punch



One Piece 4 Sided Die



Tonnage Calculation Chart



Lubrication Chart

Description

Metalmaster Press brakes are designed and tested to provide precision bending capabilities demanded in industry. The main structural frames are constructed from rolled, stress relieved solid steel to prevent distortion during the bending process and under extreme continuous loads.

Featuring a heavy duty adjustable torsion bar with a positive stop system ensures consistent and accurate bending.

All electrical components are of European quality supplied by leading brands such as Siemens, Schneider, Telemecanique, Merlin Gerin and ABB.

Note: Guarding systems are required on pressbrakes for OHS compliance.

Features

- Hydraulic synchronised positive stop design, the ram stroke is controlled by a precision mechanical nut depth stop built into each cylinder, electronically controlled by Estun NC-E21 digital control assuring accuracy and repeatability.
 - Mono-block steel frame design, welded, stress relieved and final machining ensures minimal bed deflection under load.
 - Bending Parallelism is ensured by the oversize top beam and heavy duty torsion bar.
 - Conveniently mounted control box on pendant for quick swivel and adjustments.
 - Estun NC-E21 programmable digital control stores up to 40 unique programs with 25 automatic progressive bending steps in each individual program, assuring production accuracy & repeatability every time.
 - Estun NC-E21 programmable leadscrew back gauge system, simply enter the desired measurement into the controller and press start, the back gauge then will move quickly into the position you have requested.
 - Operator adjustable stroke open height & mute height switches enables increased productivity
 - Adjustable bending pressure control allows the operator to quickly and accurately set the pressure required for different material. This user friendly system incorporates hydraulic overload protection.
 - European style Intermediate top tool clamping system, featuring an adjustable wedge clamping system for crowning as well as a safety key to stop the punch dropping when changing punch positions.
 - Segmented heavy duty 35° offset top punch is segmented for selective bend width applications and offset for return bend clearance.
 - Multi vee ('V') bottom die is made from one 2500mm solid die block design to handle heavy plate, safety edge vee ('V') is incorporated in bottom die block.
- Sliding front material sheet supports enabling a wide range of material sizes to be aligned and supported at the required height. This feature is achieved with a "T" slot machined down the total length of the die bed; sheet



METALMASTER PB-70E Hydraulic NC Pressbrake

supports are also adjustable vertically to assist in supporting material with return bends already folded.

- Rear sliding safety gate with micro switch combined with access panels placed at each end of machine allows the operator to clearly view tooling and work piece during the bending operation, Metalmaster specially design gates to suit Australian safety requirements
- The vertical top beam slides are treated to provide greater wear resistance and increased accuracy.
- Mild steel capacity is rated on hot rolled material with 250MPA

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

Includes

- ESTUN NC- E21 control mounted on a swivel pendant for optimal ergonomics
- Superior bright work lights provides clearer view to workpiece
- Adjustable front sheet support arms
- Emergency stop buttons strategically located on control panel and foot control
- Mobile dual operation foot control
- Segmented 35° offset top tooling
- Solid one piece four way multi vee (V) die block
- Top tooling tool intermediate holder system with wedge type adjustment
- Powered leadscrew back gauge with 520mm travel, operated by Estun NC-E21 control
- Oil tank level indicator
- Metal constructed safety guarding
- Integrated hydraulic system allowing rapid approach speed switching automatically to slow bend

Specifications

ORDER CODE	S900G
MODEL	PB-70E
Control Unit (Type)	Estun NC-E21
Safety Guarding System (Type)	Light Curtain System
Nominal Pressure - Tonnage (Ton)	70
Nominal Pressure - Kilonewtons (kN)	630
Machine Axis (No.)	2
Length of Work Table (mm)	2500
Distance Between Columns (mm)	2050
Maximum Open Height (mm)	325
Ballscrew Backgauge Travel (mm)	~
Leadscrew Backgauge Travel	520
Table Bed Crowning System (Type)	~
Throat Depth (mm)	260
Ram Stroke (mm)	90
Motor Power (kW / hp)	7.5 / 10
Motor Voltage (V)	415
Floor Space Requirements (L x W x H) (mm)	3100 x 1900 x 2500
Shipping Dimensions (L x W x H) (cm)	280 x 160 x 220
Nett Weight (kg)	4400



SHAW MACHINERY
12 FILMER ST
CLONTARF, QLD 4019
PH: 0738832731

METALMASTER PB-70E Hydraulic NC Pressbrake