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Product Brochure For K056

# Hydraulic NC Pressbrake & NC Guillotine Package Deal - PB-70E & HG-840B

Pressbrake 70T x 2500mm, Guillotine 2500 x 4mm

Pressbrake Estun NC-E21 Control, Guillotine Ezy-Set NC-89 Control




**Package Deal**

| | Ex GST | Inc GST |
|---|---|---|
| | $53,558.00 | $61,591.70 |

| Package Contents | |
|---|---|
| 1 x S927 - Hydraulic NC Guillotine HG-840B | $20,274.50 |
| 1 x S900GL - Hydraulic NC Pressbrake PB-70E | $39,215.00 |
| **Normal Price (Inc):** | **$59,489.50** |

| | |
|---|---|
| ORDER CODE: | K056 |
| MODEL: | PB-70E &HG-840B |
| Control Unit (Type): | Estun NC-E21 / Ezy-Set NC-89 |
| Nominal Pressure - Tonnage (Ton): | 70 |
| Nominal Pressure - Kilonewtons (kN): | 630 |
| Length of Work Table (mm): | 2500 |
| Distance Between Columns (mm): | 2050 |
| Throat Depth (mm): | 260 |
| Maximum Open Height (mm): | 325 |
| Ram Stroke (mm): | 90 |
| Machine Axis (No.): | 2 |
| Safety Guarding System (Type): | Light Curtain System |
| Backgauge Travel (mm): | 520 |
| Table Bed Crowning System (Type): | ~ |
| Motor Power (kW / hp): | 7.5 / 10 |
| Motor Voltage (V): | 415 |
| Floor Space Requirements (L x W x H) (mm): | ~ |
| Nett Weight (kg): | 7150 |

## 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.

## Features

- PB-70E - Hydraulic NC Pressbrake
- 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 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

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- HG-840B - Hydraulic NC Guillotine
- 2500mm x 4mm cutting capacity
- 5.5kW / 7.5hp 415V motor
- Ezy-Set NC-89 Go-To digital display controlled backgauge with DRO counter
- Quick action blade clearance adjustment for shearing material 1 - 4mm
- Hydraulic material clamping for accurate shearing
- One shot lubrication pump & reservoir for slideway protection
- Roving foot pedal control
- Clamp beam design allows clear view to shadow line on material
- Blades made from 9CrSi material suitable for cutting stainless steel
- Plate support tables with transfer balls for quick & easy material alignment and manoeuvrability
- Front sheet supports with ball bearing guides preventing material damage when setting up
- Safety three photo electric light beams on rear guarding
- Safety reset rear guarding button mounted to back of electrical box
- Heavy duty under driven machine construction
- Equipped with shadow line lighting-alignment device
- Mild steel capacity is rated on hot rolled material with 250MPA

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

## Includes

- PB-70E - Hydraulic NC Pressbrake
- Operated by 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
- Emergency stop buttons conveniently 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 backgauge with 520mm travel, operated by Estun NC-E21 control
- Oil tank level indicator
- Metal constructed safety guarding surrounding machine with clear side viewing panels
- Integrated hydraulic system allowing rapid approach switching automatically to slow bend
- Includes  safety control guarding system with light curtains fitted

## Specific Features


PB-70E - Hydraulic NC Pressbrake


Right View


Enclosed Rear Safety Guarding


NC Estun E21 Controller

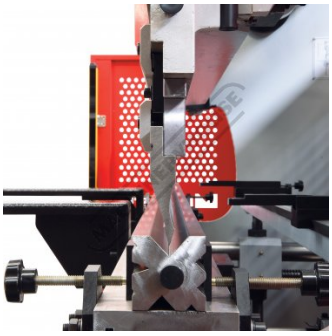
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NC Estun E21


Top And Bottom Tooling


Intermediate Clamps


Adjustable Top Tool Taper Wedge System


Adjustable Front Sheet Supports


Tooling Bed Clamps


Safety Guarding


Estun NC E21 Conrol Ballscew Backgauge


Estun NC E21 Conrol Ballscew Backgauge 2

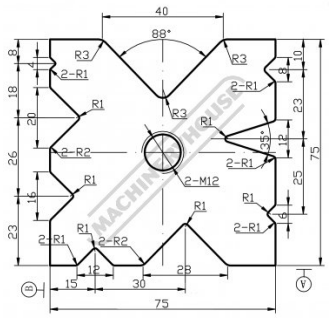

Backgauge Stops


Synchronised Torsion Bar

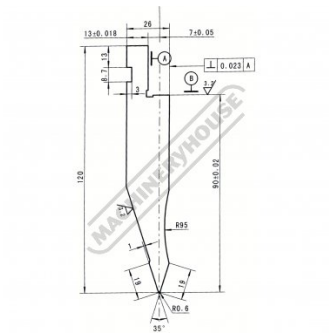


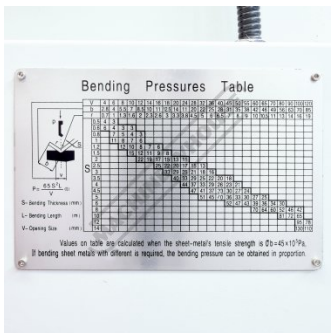
Adjustable Pressure Control


Mobile Foot Control



One Piece 4 Sided Die


Tooling Top Punch

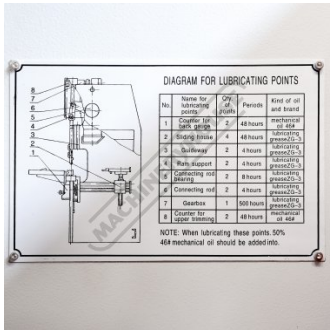


Tonnage Calculation Chart

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Lubrication Chart



HG 840 Hydraulic NC Guillotine


Left View


Front View


NC 89 Control Panel



NC 89 Backgauge DRO

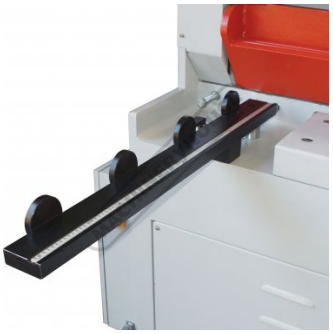


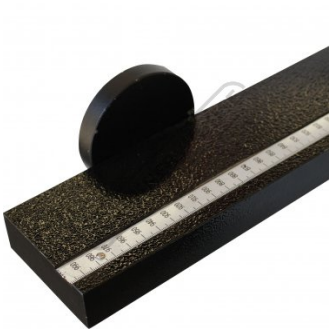
Quick Action Blade Clearance Adjustment Operation



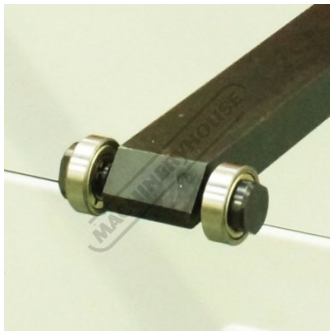
Quick Action Blade Clearance Adjustment Swivel Handle


Quick Action Blade Clearance Adjustment


Squaring Arm


Squaring Arm with Measuring Scale


Front Sheet Supports


Front Sheet Supports with Roller Bearings


Material Transfer Ball On the Table


3 Safety Photo Sensors


Safety Omron E3ZS Rear Light Sensor Guarding

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NC 89 Control Backgauge



One Shot Lubrication



Micro Switches



Back Gauge Drive Motor



Rear Guard Reset Button




Emergency Stop Switch



Mobile Foot Control

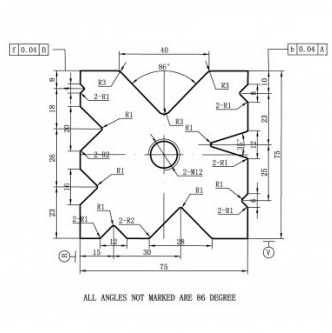


Shown with Optional Ball Transfer Tables

## Recommended Accessories

S9927

75mm Die Block Pressbrake Tooling



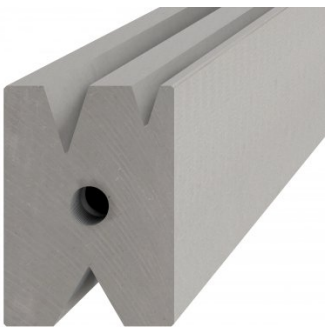

S989

35º Top Punch Pressbrake Tooling



S996A

60mm Die Block  Pressbrake Tooling



S996B

60mm Die Rail Pressbrake Tooling



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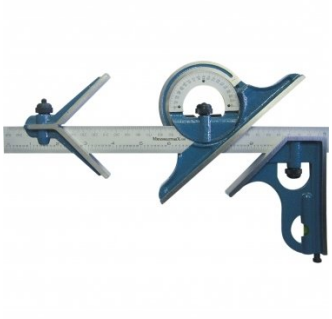
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S988
Quick Action Intermediate Clamps



Q200
Combination Set



Q200A
Combination Set



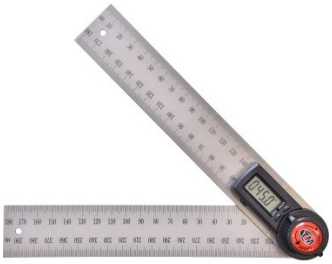
Q201
Universal Bevel Protractor




Q2105
Digital Height Gauge



M970
Digital Angle Rule



M972
Digital Angle Rule



M974
Digital Angle Rule



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive




O042
General Purpose Lubricant & Corrosion Inhibitor



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# Product Brochure For K056

O044

Rust & Corrosion Preventive

