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Product Brochure For K057

# Hydraulic NC Guillotine & NC Pressbrake Package Deal - HG-3206E & PB-70B

Guillotine - 3200 x 6mm (S9401), Pressbrake 3200mm x 70 Ton (S902G)
HG-3206E - Estun E21S control /
PB-70B - Estun NC-E21 Control




| | |
|---|---|
| ORDER CODE: | K057 |
| MODEL: | HG-3206E & PB-70B |
| Shearing Capacity - Mild Steel (mm): | 6 |
| Shearing Capacity - Stainless Steel (mm): | 4 |
| Shearing Length (mm): | 3200 |
| NC Control (Type): | ~ |
| Backgauge (Type): | Ballscrew |
| Backgauge Travel (mm): | 1000 |
| Pneumatic Sheet Supports: | ~ |
| Quick Action Blade Clearance Adjustment: | Yes |
| Strokes / min (SPM): | 14 |
| Blade Angle (deg): | 1º 30 |
| Throat Depth (mm): | 250 |
| Motor Power (kW / hp): | 7.5 / 10 |
| Voltage / Amperage (V / amp): | 415 |
| Floor Space Requirements (L x W x H) (mm): | ~ |
| Nett Weight (kg): | 12850 |

METALMASTER

1 YEAR WARRANTY

NO PLUG 415V

## Description

S9401 = HG-3206E GUILLOTINE:
METALMASTER Quality Guillotines provide precision shearing capabilities, The Guillotine frames are constructed from rolled, stress relieved solid steel to prevent distortion during the shearing process under extreme continuous loads.

METALMASTER Guillotines are produced in a quality controlled production environment and therefore are able to be manufactured cost effectively, resulting in affordable pricing, representing value for money and a quicker return on investment.

The heavy duty swing beam design features a fixed rake blade specifically developed for shearing material from mild steel through to stainless steel. The blades are made from high tensile tool steel and also provide high resistance to Impact, wear & corrosion.

S902G = PB-70B PRESSBRAKE:
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.

## Features

- HG-3206E GUILLOTINE:
- Estun E21S controller stores up to 40 unique programs with 25 automatic progressive cutting steps in each individual program, assuring production accuracy & repeatability every time
- Hardened ballscrew backgauge system, simply enter the desired measurement into the Estun E21S controller and press go, the backgauge then will move quickly into the position you have requested. The superior hardened ballscrew system eliminates any backlash that leadscrew type machines produce
- Rapid blade gap adjustment ensuring quick & accurate alteration of blade gap between material changes.
- Automated hydraulic material clamping system designed with individual hold downs along the length of the machine, The individual hold downs are fitted with nylon inserts to protect the material from indentation when clamping.
- Control unit mounted on swivel pendant arm enabling operator easy access, this is very useful when machine is loaded with full length of material.

- Transfer balls inserted into work table allowing larger sheets to be easily positioned to the cut position and squaring arm.
- Top shearing blade has two (2) cutting edges allowing blade rotation.
- Bottom shearing blade has four (4) cutting edges allowing multiple blade rotations.
- The entire steel plate structure of the main frame has been specially prepared to ensure maximum penetration during the welding process. In addition to this the cutting beam has been stress relieved eliminating any distortion after manufacturing.
- Shadow line lighting has been incorporated into the machine frame providing a clear cutting line on the work piece and enabling scribed or marked material to be cut with simplicity as required.
- A heavy duty squaring arm fitted with a graduated rule allows the operator to quickly cut the required size from the front of machine. The squaring arm also assists to align the material square to the cutting blades.
- Sliding rear material chute so scrap material does not build up in the rear of the machine.
- A safety system with photo electric rear guards are fitted to the rear steel side gates ensuring that the machine will be disabled if a person enters rear of machine when in use.
- Mild steel capacity is rated on hot rolled material with 250MPA

- PB-70B PRESSBRAKE:
- Hydraulic / Mechanical ram, synchronised positive stop design, ram stroke controlled by precision mechanical nut depth stops built into each cylinder. Electronically controlled by Estun NC-E21 digital control assuring accurate repeatability.
- Parallelism is ensured by torsion bar that can be easily adjusted by clutch system.
- 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 hardened ballscrew backgauge system, simply enter the desired measurement into the controller and press go, the backgauge then will move quickly into the position you have requested. The superior hardened ballscrew system eliminates any backlash that leadscrew type machines produce.
- Segmented heavy duty 35° offset top punch is segmented for return bend clearance, complete with European style 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.
- 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 Intermediate 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.
- 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.
- 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.
- Includes safety control guarding system with light curtains fitted
- Mild steel capacity is rated on hot rolled material with 250MPA

## Includes

- HG-3206E GUILLOTINE:
- Estun E21S Controller on swivel pendant for easy access
- Mobile foot pedal for "hands free operation"
- Single point rapid blade gap adjustment
- High quality 6CrW2Si blades suitable for cutting stainless steel
- Hardened ballscrew backgauge with 1000mm travel
- Automatic backgauge retract function during cutting
- Swing away backgauge function for cutting long sheets
- Individual hydraulic clamp hold downs with nylon pads
- 150mm throat enables shearing of longer material than 3200mm
- LED Shadow line lighting
- Transfer balls on table
- Heavy duty support arms and squaring arm
- Stroke counter and short stroke adjustment
- Sliding material chute, easily allowing operator to retrieve cut pieces
- Photo electric safety light beams on rear guarding
- Compliant AS/NZS 4024.1 – 2019 Safety of Machinery Series

- PB-70B 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 toolingh
- Solid one piece four way multi vee (V) die block
- Top tooling tool intermediate holder system with wedge type adjustment
- Powered hardened ballscrew backgauge with 520mm travel, operated by Estun NC-E21 control
- Oil tank level indicator

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- 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




HG-3206E - Hydraulic Swing Beam Guillotine - Premium




PB-70B - Hydraulic NC Pressbrake




Light Curtain Guarding in Use

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## Recommended Accessories

S988

Quick Action Intermediate Clamps



S990

35º Top Punch Pressbrake Tooling



S990S

35º Top Punch Pressbrake Tooling - Segmented



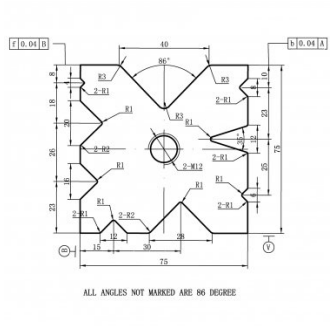
S990F

35º Top Punch Pressbrake Tooling



S9927

75mm Die Block Pressbrake Tooling



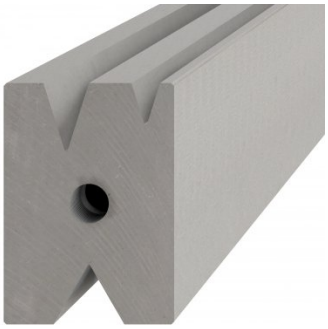

S996

15º Top Punch Pressbrake Tooling




S996A

60mm Die Block  Pressbrake Tooling



S996B

60mm Die Rail Pressbrake Tooling

