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Product Brochure For S916

# Hydraulic NC Swing Beam Guillotine - SG-2506E

2500 x 6mm Mild Steel Shearing Capacity
1-Axis Estun E21S Control Backgauge System - 750mm Travel




| | |
|---|---|
| ORDER CODE: | S916 |
| MODEL: | SG-2506E |
| Shearing Capacity - Mild Steel (mm): | 6 |
| Shearing Capacity - Stainless Steel (mm): | 4 |
| Shearing Length (mm): | 2500 |
| NC Control (Type): | Estun E21S |
| Backgauge (Type): | Leadscrew |
| Backgauge Travel (mm): | 750 |
| Pneumatic Sheet Supports: | ~ |
| Quick Action Blade Clearance Adjustment: | Yes |
| Strokes / min (SPM): | 16 |
| Blade Angle (deg): | 1º 30 |
| Throat Depth (mm): | 125 |
| Motor Power (kW / hp): | 7.5 / 10 |
| Voltage / Amperage (V / amp): | 415 |
| Floor Space Requirements (L x W x H) (mm): | 3200 x 2300 x 1750 |
| Nett Weight (kg): | 4300 |

METALMASTER

1 YEAR WARRANTY

NO PLUG 415V

## Description

MetalMaster Quality Guillotines feature high durability, and provide precision shearing capabilities, The Guillotine main frames are constructed from rolled, stress relieved solid steel to prevent distortion during the shearing process and under extreme continuous loads.

MetalMaster Guillotines are produced in 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.

This heavy duty over driven style, fixed rake guillotine has been developed for shearing material from mild steel through to stainless steel due to the specially designed shearing blades with characteristics of 1. High resistance to wear, 2. High resistance to corrosion, 3. High resistance to impact & 4. High tensile strength.

All electrical components are of European quality supplied by, Schneider

Rexroth hydraulic control valves.

## Features

- Estun E21S programmable digital control stores up to 40 unique programs with 25 automatic progressive cutting steps in each individual program, assuring production accuracy & repeatability every time
- Estun E21S programmable control system provides up to 750mm travel via leadscrew backgauge, simply enter the desired measurement into the controller and press go, the backgauge then will move quickly into the position you have requested
- Blade gap adjusting dial mounted on side of machine for convenient and accurate alteration for all your material thickness from 0.5 - 6mm. This dial is designed so that a straightforward rotation clock or anti clockwise to achieve desired plate thickness. Measurement on dial indicates and refers to actual blade gap distance in millimetres
- Hydraulic individual sheet material clamping system with nylon inserts to protect material from indentation from the clamping cylinders along full length of machine.
- Transfer balls inserted into work table allowing material to be easily moved to the cut position and squaring arm.
- Top shearing blade made from 6CrW2Si quality composite and has two (2) cutting edges allowing minimised down time in blade rotation.
- Bottom shearing blade made from 6CrW2Si quality composite and has four (4) cutting edges allowing minimised down time in blade rotation.
- The core structure of the steel main frame has been electronically welded ensuring maximum penetration during the manufacturing process. In addition to this feature the cutting beam has been stress relieved eliminating any distortion after manufacturing.
- LED 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.
- Heavy duty squaring arm is fitted with a graduated rule and adjustable flip up front stops and mitre guide allowing operator to cut to the required size from the front of machine. Flip over stops can be set to repeat cutting length required with accuracy. The arm also aligns the

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material to be located square to the cutting edge.
- Safety three photo electric rear guards fitted to steel side gates ensuring that the machine will be disabled when person enters rear of machine when in use
- Safety reset button for guarding system located at rear of machine, this feature requires operator to walk to rear of machine to visually check for any obstruction prior to resetting & starting machine
- 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

- Heavy duty over driven machine construction
- Rapid blade gap adjustment
- Emergency stops fitted on both ends of machine for additional safety
- Individual hydraulic hold downs with nylon pads
- 100mm throat enables shearing of longer material than 2500mm
- Shadow line lighting allows operator to quickly see the cut line
- 750mm Estun E21S programmable control via leadscrew backgauge with fine adjustment
- 1250mm long aluminium front sheet supports to help protect material from scratching
- Swing away backgauge function for cutting long sheets
- 4 edge quality 6CrW2Si blades suitable for stainless steel
- Rexroth hydraulic control valves
- Schneider electrical components
- Transfer balls on table & support arms
- Heavy duty support arms and squaring arms
- Stroke counter and short stroke adjustment
- Sliding chute fitted, easily allowing operator to retrieve cut pieces
- Three safety photo electric light beams on rear guarding

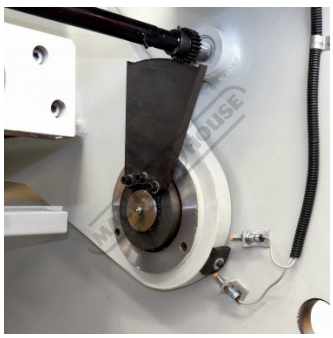
## Specific Features


Right View


Front View


Rear View


Estun E21S Control


Blade Clearance Adjustment Mechanism


Squaring Arm


Material Transfer Balls On The Table


Blade Clearance Adjustment Lever

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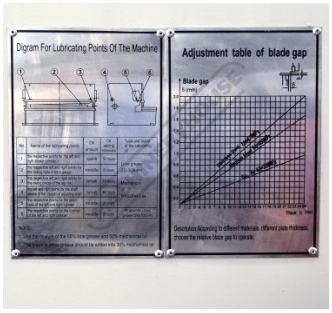

NC Leadscrew Backgauge System


NC Leadscrew Backgauge


3 x Rear Guarding Light Sensors


Omorn E3ZS Rear Light Safety Guarding Sensor


Foot Control



Lubrication Points & Blade Gap Adjustment Diagram


Adjustable Hydraulic Pressure System


Return Tank Pressure Gauge


Hydraulic Oil Level & Temparuture Gauge


Hydraulic Oil Tank Flush Valve


Backgauge Limit Trip Switches



Rear Guard Rest Button



Main Power Switch



Emergency Stop


Lifting Point


Shown with Optional Ball Transfer Tables - Order Code (L840)

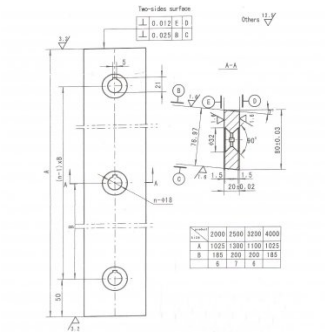
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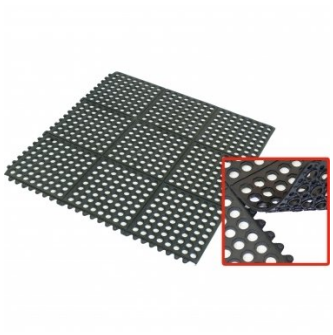
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## Recommended Accessories

S9986
2540mm Sheet Metal Guillotine Blade Set - 6CrW2Si



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive




O042
General Purpose Lubricant & Corrosion Inhibitor




O044
Rust & Corrosion Preventive

