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Product Brochure For S970CL

Pressbrake Touch Screen CNC - Hydraulic - PB-40A

44T x 2000mm - Includes Laser Safety Guarding
CYBELEC Touch Draw control, 2-Axis SERVO DRIVEN with Ballscrew Backgauge

Ex GST	Inc GST
$35,930.00	$41,319.50



ORDER CODE:	S970CL
MODEL:	PB-40A
Control Unit (Type):	CYBELEC
Nominal Pressure - Tonnage (Ton):	44
Nominal Pressure - Kilonewtons (kN):	400
Length of Work Table (mm):	2000
Distance Between Columns (mm):	1615
Throat Depth (mm):	200
Maximum Open Height (mm):	330
Ram Stroke (mm):	100
Machine Axis (No.):	2
Safety Guarding System (Type):	Laser System
Backgauge Travel (mm):	520
Table Bed Crowning System (Type):	~
Motor Power (kW / hp):	4 / 5.3
Motor Voltage (V):	415
Floor Space Requirements (L x W x H) (mm):	2700 x 1800 x 2400
Nett Weight (kg):	3800

METALMASTER

1 YEAR WARRANTY

NO PLUG 415V

Description

CYBELEC CybTouch CNC Controller
Headquartered in Switzerland Cybelec is at the forefront of pressbrake controller technology.

The CybTouch 12 Touch Draw CNC control features an intuitive touch interface with an advanced array of bending functions with vivid colour & large touch key interactive software. Interactive On-line help, and many other automatic functions that constantly guide the operator. CybTouch controllers are very easy to operate.

METALMASTER Pressbrakes
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.

Features

- CYBELEC CybTouch CNC Controller
- Large, vivid and high-contrast fully touchscreen control mounted on a swivel pendant for optimal ergonomics
- Simple pages, clear display, large keys
- Intuitive 2D graphical touch draw part profile programming
- Bend material allowance calculation
- Radius bump bending calculation function
- Bending angle and back gauge correction
- Various automatic calculations of other bend functions
- Complete programming for efficient mass production with multiple bends
- Bending sequences and programs can be saved for future use
- Easy single bends with EasyBend page
- Easy manual movement
- On-line help and interactive warning pop-ups

- LASER GUARDING -

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- 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 CYBELEC CT12 CNC control assuring accuracy & repeatability.
- Servo driven Y Axis for quick and precise adjustment of angles for bending & corrections
- Servo driven X Axis provides fast response & accuracy when positioning the backgauge
- High performance side mount back gauge with linear guides & ballscrew provides fast and accurate positioning
- Segmented heavy duty 35° top punch
- European style punch holder with an adjustable wedge clamping system for crowning
- Multi vee ('V') bottom die is made from one 2000mm solid 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.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 wear resistance and increased accuracy.
- Reinforced side frames providing addition support strength to machine throat
- Includes safety control laser guarding system
- Mild steel capacity is rated on hot rolled material with 250MPA

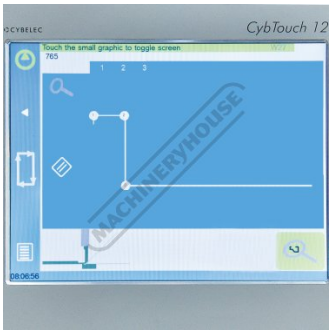
- Pre-Commissioning:
- 1. Pressbrake is run & tested prior delivery
- 2. Hydraulic oil is included with machine

Includes

- CYBELEC Touch 12 2D Graphical CNC Control
- Touch draw profile programming
- Easy bend function for quick one off jobs even if you are in the middle of a production bending program
- 35 Degree Top Punch with Segments (3x500, 1x200, 2x100, 1x50, 1x40, 1x10)
- Top tooling tool intermediate holder system with wedge type adjustment
- Multi V bottom die block 75 x 75mm with a range of V's between 4mm~40mm
- Laser guarding system
- Servo motor X & Y axis for ultimate speed & performance
- Sliding front sheet support arms
- High performance servo backgauge with linear guideways & ballscrew, 520mm travel

Specific Features


CybTouch 12 Control



Touch Draw Graphical Programming



Bend Simulation 1



Bend Simulation 2

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Bending Sequence List



Easy Bend Page

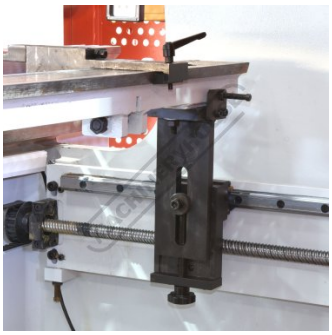

Laser Emitter

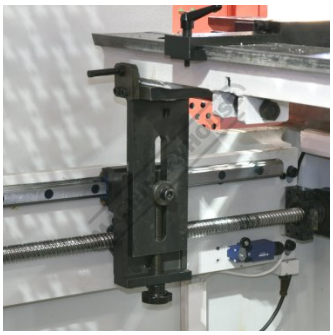

Laser Receiver

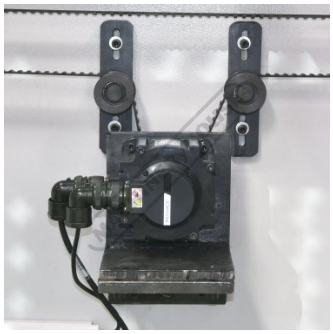


Laser Safety Device

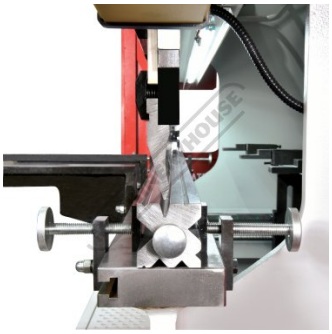

Laser Guarding system In Use


Linear Guideway Ballscrew Backgauge

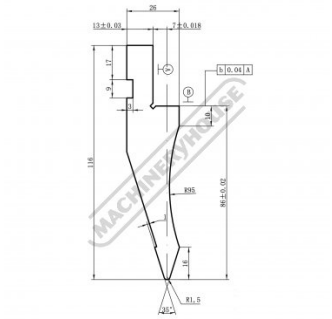

Linear Guideway Ballscrew Backgauge

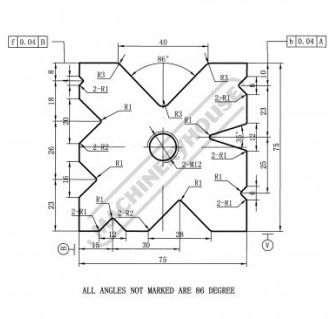

Servo Motor Backgauge


Rear View


Top and Bottom Tooling


Intermediate Clamps


Segmented Top Punch



One Piece 4 Sided Die


Mobile Foot Control


Adjustable and Sliding Front Sheet Supports

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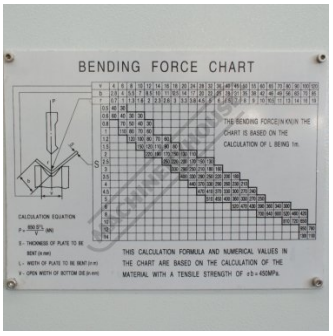
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Adjustable Pressure Gauge


Synchronised Torsion Bar



Tonnage Calculation Chart

Recommended Accessories

S989
35º Top Punch Pressbrake Tooling



S989S
35º Top Punch Pressbrake Tooling - Segmented



Q201
Universal Bevel Protractor



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue

