Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999

sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For S884D

APHS-31120 - Hydraulic CNC Pressbrake

120T x 3100mm, 5 Axis, Delem DA66T Touch Screen Control
Includes Programmable X, Y1, Y2, V & R-Axis. CNC Table Crowning & Laser Guarding System

On Sale - Limited Stock

	Ex GST	Inc GST
	~~$121,950.00~~	~~$134,145.00~~
	$116,950.00	$128,645.00

ORDER CODE:	S884D
MODEL:	APHS-31120
Control Unit (Type):	DELEM DA66T CNC
Nominal Pressure - Tonnage (Ton):	120
Nominal Pressure - Kilonewtons (kN):	1200
Length of Work Table (mm):	3100
Distance Between Columns (mm):	2550
Throat Depth (mm):	410
Maximum Open Height (mm):	540
Ram Stroke (mm):	260
Machine Axis (No.):	5
Safety Guarding System (Type):	Laser System
Ballscrew Backgauge Travel (mm):	750
Leadscrew Backgauge Travel:	~
Table Bed Crowning System (Type):	CNC Controlled System
Motor Power (kW / hp):	11 / 15
Motor Voltage (V):	415
Floor Space Requirements (L x W x H) (mm):	~
Nett Weight (kg):	8400

Description

Delem DA-66T CNC CONTROL UNIT
The new generation DA-Touch controls offers an even higher grade of efficiency in programming, operation and control of today's press brakes. Ease of use combined with state-of-the-art technology go hand in hand, improving productivity.

The touch screen gives access to the proven Delem user-interface and enables direct navigation between programming and production. Functions are directly located where you need them, offering optimised ergonomics throughout the application.

The DA-66T offers 2D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

Highly effective control algorithms optimise the machine cycle and minimise set-up time. This makes using press brakes easier, more efficient and more versatile then ever.

2D graphical touch screen programming mode
17" high resolution colour TFT
Full touch screen control (IR-touch)
Windows application suite
Standard Windows networking
3D graphics acceleration
Delem Modusys compatibility (module scalability and adaptivity)
USB flash memory drive
Open system architecture
Sensor bending & correction interface
Profile-TL 2D offline software

Features

- Baykal machine frames are manufactured from hot rolled steel sheets of Fe 520. The two side frames are obtained from the same sheet to ensure the same elasticity under stress. The ram and table are also manufactured from Fe 520 steel and are designed to avoid deflection.
- The hydraulic cylinders are manufactured from high resistance steel chromium plated & ground to size. Cylinder pistons are lapped to ensure longevity of the hydraulic seals
- The hydraulic unit consists of electronically controlled proportional valves with independent closed loop control of the two cylinders providing full synchronous control.
- German manufactured Laser Safety Guard System mounted at each end of machine ensuring correct interfacing and operator safety whilst in operation. The Laser system is designed so each guard will slide up or down to allow for many different types and sizes of tooling

enabling safety at the appropriate points as required by the Australian standards. Manual height adjustment with scales and lock for easy positioning.
- Sliding front sheet supports enable a wide range of material sizes to be aligned and supported at the correct required width and height. The sheet supports are mounted on precision linear guides for ease of movement. This design can also be adjusted vertically to support material with return bends.
- Ram positions (Left & Right) are obtained from independent linear encoders whilst monitoring and adjusting proportional valves. This produces a closed loop system, with guaranteed beam positioning of +/- 0.01mm (Y1 and Y2 Axis)
- Accuracy is further ensured by mounting the linear encoders on a C-frame connected directly to the Bed, rather than the side frames. This ensures that deflection of the side frames and uneven loads have no effect on Beam position.

- CNC Controlled Axis (Y1, Y2, X, R, & V) as standard. Multi Axis available
- Backgauge:- X-R with AC servo brushless motors
- "X" axes stroke 750mm
- "X" axis speed 350mm/sec
- "R" axes stroke 160mm
- "R" axis speed 240mm/sec
- Mechanical accuracy 0.1mm
- Micro adjustable fingers with hardened 2D stops mounted on linear guideways
- Precision linear scale measurement : GIVI MISURE
- Front support arms fully adjustable mounted on linear rails
- Quality Siemens Electric control switch Gear is used
- Pendant control panel centralising all Press-Brake Functions
- Foot Pedal Control
- Hydraulics: Hoerbiger & Parker (German & USA)
- Electrics: Siemens or Telemecanique (German or French)
- Scales: Misure (Italian)
- Tooling: Technostamp or Rolleri (Italian)
- Mild steel capacity is rated on hot rolled material with 250MPA

Includes

- Delem DA-66T 2D Graphical CNC Control
- Profile-TL 2D offline software
- X-R Backguage
- V - table NC auto crowning
- Quick release top tool clamping system
- AKAS Safety laser front guarding system
- Mechanical crowning on top intermediate clamps
- Automatic crowning on bottom table
- Narrow bottom table for Euro style tooling

Specific Features

Rear Safety Guarding with Sliding Door

Laser Guarding System

CNC Table Crowning W Axis

Delem DA 66T CNC Control

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999

sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For S884D

Program Storage

Program Dieblock Tool Library

Program Top Punch Tool Library

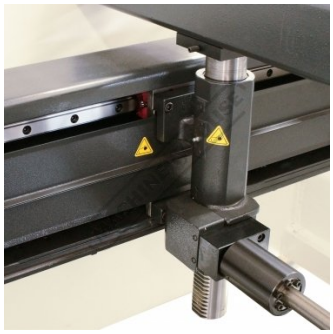
Program Profile Drawing

Program Bend Sequence Simulation

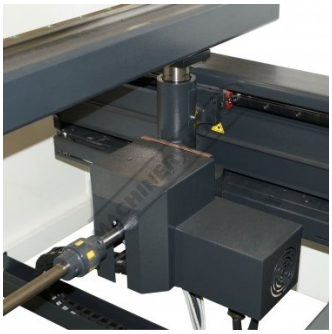
Program Product Description

Program Auto Machine Parameters

Program Manual Machine Parameters

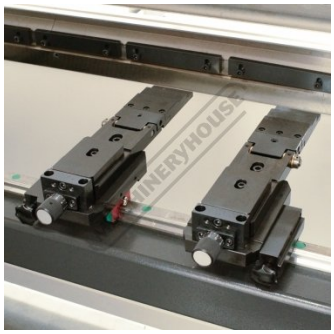


Ball Screw Backgauge with Linear Guideways

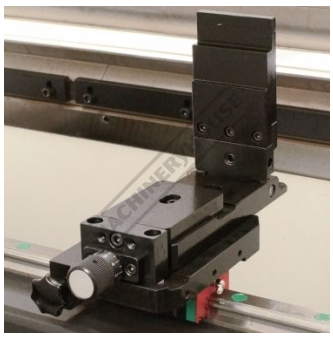


CNC Ball Screw Backgauge with R Axis

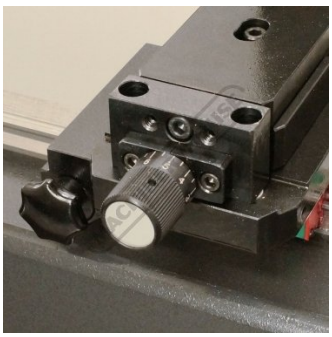
Backgauge Manual Fine Adjustment



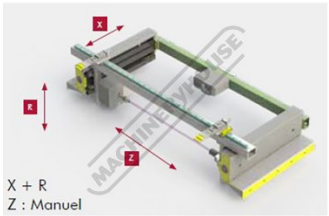
Micro Adjustment Backstop



Flip up Backstop



Backstop Micro Adjustment Dial



X-R Backgauge

Quick Action Intermediate Clamps

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999

sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For S884D

Sliding Front Sheet Supports on Linear Guideways

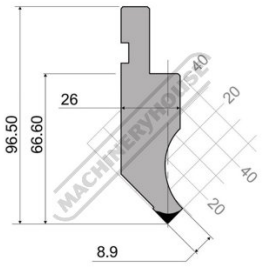
Front Sheet Support Height Adjustment

Mobile Foot Control

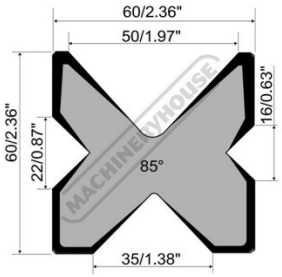
Machine Control Panel

Electrical Cabinet

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



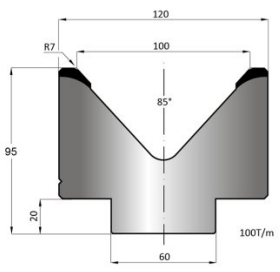
Top Tooling



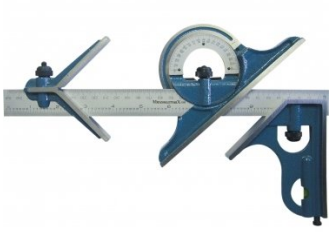
Multi V Die Block

Recommended Accessories

Z30596
100mm Die Block Pressbrake Tooling



Q200
Combination Set



Q200A
Combination Set

Q201
Universal Bevel Protractor

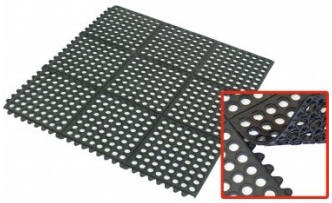
Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999

sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For S884D

M800
Rubber Mat - Anti-Fatigue

M805
Rubber Mat - Anti-Fatigue

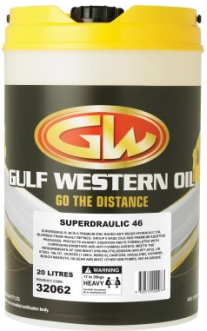


O000A
Natural Zeolite Absorbent

O043
Rust & Corrosion Preventive - Penetrant & Lubrication

O042
General Purpose Lubricant & Corrosion Inhibitor

O040
Rust & Corrosion Preventive - Penetrant & Lubrication

O044
Rust & Corrosion Preventive - Penetrant & Lubrication

O004
Superdraulic 46 Hydraulic Oil