

Product Brochure For S885D

## APHS-31160 - Hydraulic CNC Pressbrake

160T x 3100mm, 5 Axis, Delem DA66T Touch Screen Control  
 Includes Programmable X, Y1, Y2, V & R-Axis. CNC Table Crowning  
 & Laser Guarding System

**Limited Stock**

Ex GST

Inc GST

**\$134,500.00 \$147,950.00**



ORDER CODE:	S885D
MODEL:	APHS-31160
Control Unit (Type):	DELEM DA66T CNC
Nominal Pressure - Tonnage (Ton):	160
Nominal Pressure - Kilonewtons (kN):	1600
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):	15 / 20
Motor Voltage (V):	415
Floor Space Requirements (L x W x H) (mm):	~
Nett Weight (kg):	9700



### 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 than 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

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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 Roller (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 Backgauge
- 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



Program Storage



Program Profile Drawing



Program Dieblock Tool Library



Program Top Punch Tool Library



Program Bend Sequence Simulation



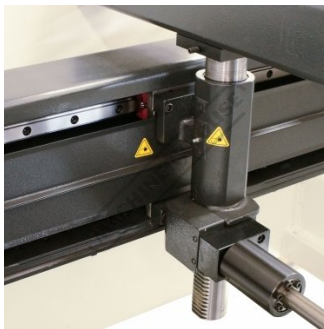
Program Product Description



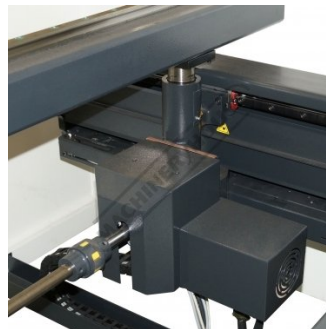
Program Auto Machine Parameters



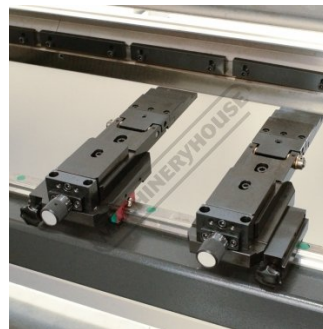
Program Manual Machine Parameters



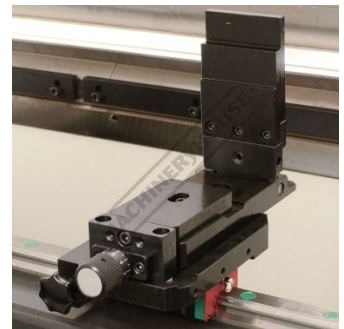
Ball Screw Backgauge with Linear Guideways



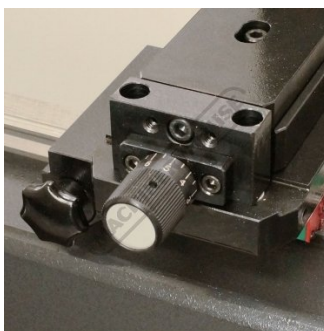
CNC Ball Screw Backgauge with R Axis



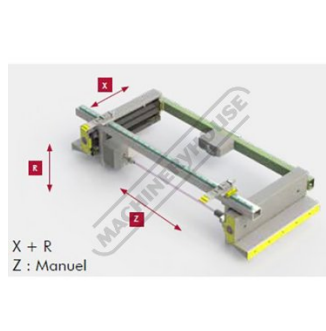
Micro Adjustment Backstop



Flip up Backstop



Backstop Micro Adjustment Dial



X-R Backgauge



Quick Action Intermediate Clamps



Sliding Front Sheet Supports on Linear Guideways

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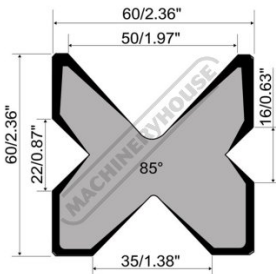
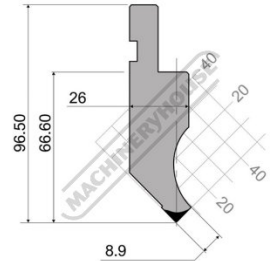
Front Sheet Support Height Adjustment



Mobile Foot Control



Shown with Optional Ball Transfer Tables Top Tooling



Multi V Die Block

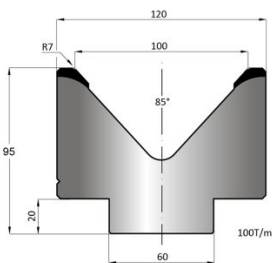
**Recommended Accessories**

**Z30596**  
 100mm Die Block Pressbrake  
 Tooling

**Q200**  
 Combination Set

**Q200A**  
 Combination Set

**Q201**  
 Universal Bevel Protractor

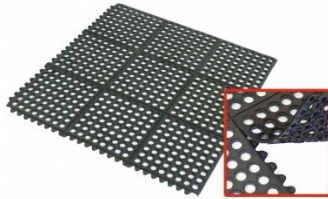


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**M800**  
 Rubber Mat - Anti-Fatigue



**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

