

COMPACT WITHOUT COMPROMISE

# DA-58T

Compact 4-axes graphical touch  
CNC system for press brakes



The new DA-58T touch CNC control provides a modern compact and versatile solution for powerful economic press brake applications.

The DA-50T-series offers easiest CNC programming based on the proven Delem touch screen user interface. The new compact DA-58T with large screen adds a state of the art complete 2D graphical touch control solution for synchronized press brakes.

## Compact Control solution

This compact control, standard capable of controlling up to 4 axes, is housed in a stylish pendant arm cabinet. Its 18" wide screen high resolution colour TFT, with industrial grade multi touch technology, gives access to the user friendly Delem user-interface. It enables direct "hot-key" touch navigation between product programming and actual production. Functions are directly located where needed, offering optimised ergonomics throughout the entire application.

Machine adjustment and test bends are reduced to a minimum with a quick and easy program-to-production work sequence. CNC programs can be generated with a single touch, immediately ready to make the first part. Axes positions are automatically computed and the bend sequence can be simulated with machine and tools in real scale.

## State-of-art function complete

The DA-58T offers 2D programming including automatic bend sequence calculation and collision detection. The production mode of the DA-58T helps the operator in graphically simulating the bend process of the product, guiding him during the press brake operation.

USB interfacing enables fast product and tool backup using USB memory sticks.

## DA-58T features:

- 2D graphical touch screen programming
- 18.5" high resolution colour TFT
- Bend sequence calculation
- Crowning control
- Tool / material / product library
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
- Protractor interfacing (option)
- TandemLink (option)
- Network Interface (option)
- Profile-58TL offline software

**Delem**

Part of KEBA group.

Everything under control

# Specifications DA-58T

## Product configuration

### Standard

- Colour high brightness LCD display
- 18.5" TFT
- LED backlight
- 1366 x 768 pixels
- Industrial grade touch screen
- Storage capacity 1 GB
- USB flash memory drive
- Data backup / restore via USB
- Integrated valve amplifier
- Power-down memorisation
- Profile-58TL offline software

### Field options

- Network connectivity
- TandemLink
- Protractor interfacing



Panel type housing DA-58T-P

### Ordering information

- DA-58Tx, CNC in robust housing
- DA-58Tx-P, CNC panel version

## Technical specification

### General

- Real-time Linux embedded OS
- Multi touch industrial touch screen
- Instant Shut Off

### Electrical / interfacing

- Power supply: 24V
- Opto-isolated digital I/O
- Integrated valve amplifier Y1, Y2, P
- Encoder inputs (single/diff.5V/12V)
- RS232 port for safety PLC
- Network interface (field option)
- USB port

### Control

- Servo control
- Unipolar / frequency inverter control
- Pressure valve control
- Proportional valve control
- Crowning control
- Multiple digital function outputs
- Tandem operation (dual)

### Mechanical

- Housing 485x388x127mm
- Panel version: 472x310x50mm
- Design, glass surface, aluminium edge
- IP54
- Weight 9 kg (incl. housing)

### Programming

- Alphanumerical product naming
- Real-scale product programming and visualisation
- Automatic bend sequence calculation
- Easy graphical bend sequence swap and move
- Hemmed products programming
- Radius programming (bumping)
- One page programming table
- Graphical product and tool selection
- Programmable material properties
- Programmable axis speed
- Free material programming
- Product & tool search filter
- Millimetres/Inches, kN/Ton selection
- Stock counter

### Tooling

- Tool library 99 punches / 99 dies
- Alphanumeric tool identification
- Free graphical tool programming
- Hemming tools
- Radius tools

### Computed

- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Bottoming force
- Hemming force
- Auto bumping calculation
- Bend allowance table
- Learned angle correction database

### Miscellaneous

- 'Teach-in' on all axes
- Operator selectable dialogue languages
- Integrated help function
- Error messaging system
- Diagnostic program
- Remote Assistance option
- Machine time + stroke counter
- Software OEM panel
- On board Analysis Tool
- Sequencer functionality (PLC)
- Safety PLC interfacing