Compact without compromise

The DA-53T touch CNC control provides a modern compact and versatile solution for a wide range of press brake applications without compromising machine functionality.

The DA-50T-series offers easiest CNC programming based on the Delem graphical touch screen user interface. The new compact DA-53T adds a state of the art complete touch control solution for synchronized press brakes.

This panel based control, standard capable of controlling up to 4 axes, can be integrated in cabinets as well as used in an optional pendulant arm housing. Its 10.1" wide screen high resolution colour TFT, with industrial grade multi touch technology, gives access to the proven Delem user interface. It enables direct “hot-key” touch navigation between product programming and actual production. Functions are 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.

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

The standard machine control functions are Y1-Y2, X, R-axis and crowning. The second back gauge axis can also be set as Z axis.

DA-53T features:
- "Hot-key" touch navigation
- 10.1" high resolution colour TFT
- Up to 4 axes (Y1,Y2 + 2 aux. axes)
- 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.
- TandemLink (option)
- USB memory stick interfacing
- Profile-53TL offline software

Everything under control
## Specifications DA-53T

### Product configuration

#### Standard
- Colour high brightness LCD display
- 10.1” wide screen TFT
- LED backlight
- 1024 x 600 pixels
- Industrial grade touch screen
- Storage capacity 1 GB
- Data backup / restore via USB
- USB flash memory stick
- Integrated valve amplifier
- Power-down memorisation
- Profile-53TL offline software

#### Factory option
- Pendulant arm type housing

#### Field options
- TandemLink

### Ordering information
- DA-53T, CNC in robust housing
- DA-53T-P, CNC panel version

### Technical specification

#### General
- 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
- USB port

#### Control
- Servo control
- Unipolar / frequency inverter control
- Pressure valve control
- Proportional valve control
- Crowning control
- Multiple digital function outputs

#### Mechanical
- Housing 373x368x122 mm
- Panel 311x222x60mm
- Design, glass surface, aluminium edge
- IP54
- Weight 9 kg (incl. housing)

#### Programming
- Alphanumeric product naming
- Hemmed products programming
- Radius programming (bumping)
- One page programming table
- Programmable material properties
- Programmable axis speed
- Millimetres/Inches, kN/Ton selection
- Stock counter

#### Tooling
- Tool library 30 punches / 30 dies
- Alphanumeric tool identification
- Hemming tools
- Radius tools

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

#### Miscellaneous
- ‘Teach-in’ on all axes
- Operator selectable dialogue languages
- Error messaging system
- Diagnostic program
- Machine time + stroke counter
- On board Analysis Tool
- Sequencer functionality (PLC)
- Safety PLC interfacing

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**Panel type housing DA-53T-P**

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