COMPACT WITHOUT COMPROMISE

DA-53T

Compact 4-axes touch colour CNC system for press brakes

The new 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 proven Delem touch screen user interface. The new compact DA-53T with large screen adds a state of the art complete touch control solution for synchronized press brakes.

Compact Control solution

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 15" 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 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.

State-of-art function complete

Next to a full package of functionality and functions which make everyday work as easy as possible, optionally 2D graphical product and tool programming is supported. USB interfacing is standard and enables fast product and tool backup using USB memory sticks.

DA-53T features:

- "Hot-key" touch navigation
- 15.6" high resolution wide screen 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.
- 2D graphical programming (optional)
- TandemLink (option)
- Network interfacing (optional)
- Profile-53TL offline software

Delem Part of KEBA group.

Specifications DA-53T

Product configuration

Standard

- Colour high brightness LCD display
- 15.6" wide screen TFT
- LED backlight
- 1366 x 768 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

- Network connectivity
- 2D graphical programming
- TandemLink

Panel type housing DA-53T-P

Ordering information

- DA-53Tx, CNC in robust housing
- DA-53Tx-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
- 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 419 x 349 x 127 mm
- Panel 406 x 272 x 50 mm
- Design, glass surface, aluminium edge
- IP54
- Weight 7 kg (incl. housing)

Programming

- Alphanumerical product naming
- Hemmed products programming
- Radius programming (bumping)
- One page programming table
- 2D graphical product programming (option)
- 2D graphical tool drawing (option)
- 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
- Remote Assistance (option)
- Machine time + stroke counter
- Software OEM panel
- On board Analysis Tool
- Sequencer functionality (PLC)
- Safety PLC interfacing

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Everything under control