

DA-69T

DA-Touch - series
3D graphical control
for CNC press brakes

Delem



Embedded reliability

The DA-Touch controls feature the embedded, real-time Windows operating system for maximum reliability. Smooth start-ups ensured, even after instant shut-off.

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-69T offers 2D as well as 3D 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.

The OEM-panel located above the screen, reserved for machine functions and OEM-application switches, is integrated in the design and can be used depending on the required application.

DA-69T features:

- 3D and 2D graphical touch screen programming mode
- 3D visualisation in simulation and production
- 17" high resolution colour TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Open system architecture
- User specific application support within the controllers multitasking environment
- Sensor bending & correction interface

Specifications DA-69T

Product configuration

Standard

- Colour LCD display
- 17" TFT, high brightness
- 1280 x 1024 pixels, 32 bit colour
- Full touch screen control (IR-touch)
- Storage capacity 1 GB
- 3D graphics acceleration
- Standard Windows® networking
- Emergency switch
- Integrated OEM-panel
- USB flash memory drive

Field option

- Part support control
- X1-X2 angle programming
- Barcode reader interfacing
- Protractor interfacing
- Frame deflection compensation
- Sensor bending & correction interfacing
- Sheet thickness measurement and compensation system

Ordering information

- DA-69T



Technical specification

General

- Real-time embedded Windows® OS
- Multitasking environment
- Instant Shut Off
- Delem Modusys compatible

Electrical / interfacing

- Power supply: 24V
- Modusys HSB bus (up to 15 axes)
- RS232 port
- Network interface (100Mb/10Mb)
- USB port s
- SafetyPLC interfacing
- Protractor interfacing
- Angle control interfacing

Control

- Servo- / 2 speed AC control
- Unipolair / frequency inverter control
- Direct pressure valve control
- Direct proportional valve Y1, Y2 control
- Direct crowning control
- Multiple digital function outputs
- Tandem operation

Programming

- Alphanumeric product naming
- 2D/3D real-scale product programming and visualisation
- Automatic bend sequence calculation in 2D and 3D
- Easy graphical bend sequence swap and move
- Hemmed products programming
- 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
- Product notes

Tooling

- Graphical tool configuration
- Multiple tool station set-ups
- Tool segmentation visualisation
- Alphanumeric tool identification
- Free graphical tool programming
- Hemming tools
- Radius tools
- Tool adapter support

Computed

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

Miscellaneous

- 'Teach-in' on all axes
- Handwheel movement of all axes
- Operator selectable dialogue languages
- Integrated help functions
- Error messaging system
- Diagnostic program
- Internet Explorer (web browser)
- Remote diagnosis
- User specific applications support
- Machine time + stroke counter
- On board Analysis Tool
- Sequencer functionality (PLC)

Delem

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