

DA-41T

Compact and versatile
touch CNC control for
conventional press brakes

Delem



Compact solution

The DA-40T series provides compact conventional press brake control solutions for a variety of functionality.

The **DA-41T** control provides a user friendly and versatile touch control solution for conventional press brake applications with multiple axes. Upon demand it is possible to control the press beam, the backgauge as well as a flexible I/O configuration, based on **state of the art electronics**.

The numerical programming supports bending steps with **angle programming, tool and material parameters** on hand in a clear table overview. The standard available USB interface supports backup and restore functionality of all products and tools.

The backgauge control supports servo, 2-speed AC as well as inverter control. Depending on the application you can select either two side or single side positioning, using optional **spindle correction** functionality. The variant CNC type DA-42T supports dual axes backgauge control (X+R) and crowning functionality.

With its easy to use touch screen navigation on the bright LCD screen, operation is most **user-friendly** and efficient, thus increasing productivity. The numerical programming with clear icons guides the operator through all programming functions.

DA-41T featuring:

- Panel based housing
- Bright LCD screen
- Beam stop control (Y)
- Backgauge control (X)
- Retract functionality
- Manual movement of all axes
- Backgauge control (R) ^(DA-42T)
- Crowning function ^(DA-42T)
- Pressure control ^(DA-42T)

Specifications DA-41T

Product configuration

Standard

- Colour LCD display
- 7" widescreen TFT
- LED backlight
- Program memory of 100 programs
- 25 steps per program
- Tool library

Optional

- Offline software, Profile-41T

Ordering information

- DA-41T, compact touch CNC for conventional press brakes Y-X
- DA-42T, compact touch CNC for conventional press brakes Y-X-R-Crowning



Technical specification

General

- Program library
- Millimeters / Inch selection
- Ton / kN selection
- Power-down memorization
- Machine hour counter
- Stroke counter

Axes

- Beam stop control Y
- Backgauge control X
- Backgauge control R (DA-42T)
- Crowning control (DA-42T)
- Crowning hydraulic as well mechanical control
- Pressure control (DA-42T)
- Stroke X : 0 – 9,999.99 mm
- Retract X : 0 – 9,999.99 mm
- Correction -99.99 – 99.99 mm
- Manual movement of axes

Digital Inputs / Outputs

- Flexible I/O configuration
- 8 inputs / 12 outputs
- 12 inputs / 20 outputs (DA-42T)

Programming functions

- Numerical program setup
- Angle programming
- Angle correction
- Bending length
- Tool programming
- Backgauge position X
- Retract function
- Y-opening
- Y-axis correction
- Step repetition
- Material types / properties
- Material thickness
- Stock counter
- Programmable timer functions:
 - o Decompression
 - o Retract
 - o Dwell time
- Axis speed
- Backgauge position R (DA-42T)

Computed functions

- Bending position
- Bending force
- Crowning compensation (DA-42T)
- Backgauge safety zone

Integrated functions

- Diagnostic mode
- Service mode
- Backup and updates via USB

Electrical / interfacing

- Power supply 24V
- Opto-isolated digital I/O
- Encoder inputs 5V/12V
- Max. encoder frequency 1 MHz
- USB port

Axis control

- +/-10V for servo control
- 1- or 2-speed control for AC motors
- Frequency inverter control

Housing

- Panel based housing
- Dimensions 186 x 252 x 45 mm

Miscellaneous

- Operator selectable dialogue languages
- Optional offline software

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Everything under control