

COMPACT SOLUTIONS

DA-41T

Compact and versatile touch CNC control for conventional press brakes



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

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.

Touch control for conventional press brakes

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.

State-of-art function complete

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 features:

- 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)

Delem

Everything under control

Part of KEBA group.

Specifications DA-41T

Product configuration

Standard

- Color high brightness LCD display
- 10.1" TFT
- LED backlight
- 1024 x 600 pixels
- Program memory for 100 programs
- 25 steps per program
- Tool library



Panel type housing DA-41T

Ordering information

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

Field options

- Offline software, Profile-41T

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

Mechanical

- Panel dimensions: 200x280x57mm
- Design, glass surface, aluminum edge
- Weight 1.7 kg

Miscellaneous

- Operator selectable dialogue languages
- Optional offline software