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:
  - Decompression
  - Retract
  - 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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Delem
Luchthavenweg 42, 5657 EB Eindhoven
The Netherlands
T: +31(0)40 2552969, F: +31(0)40 2551923
www.delem.com