

DA-41s

Compact dual axis
control for conventional
press brake applications

Delem



Compact solution

The DA-41s provides a compact solution for conventional press brake applications.

The **DA-41s** control provides a complete solution for conventional press brake applications for 2 axes. Offering a versatile solution for axes control for the press beam and back gauge as well as a flexible I/O configuration, based on the **state of the art electronics**.

With its bright LCD display a clear and easy control is offered. The numerical programming, having **angle, tool and material parameters on hand**, can be done in a direct table overview. The bend parameters can be selected via a user-friendly cursor manipulation.

The axes control supports servo control, 2-speed AC control as well as inverter control. Depending on the application you can select either two-side positioning as well as single side positioning with **spindle correction**.

With its tabular navigation on the bright LCD screen a clear and easy operation is offered. The numerical programming is **user-friendly** and guides the operator through all programming possibilities.

DA-41s featuring:

- Bright LCD display
- Beam stop control
- Back gauge control
- Angle programming
- Tool programming
- Retract function
- Up to 100 programs
- Up to 25 bends per program
- Panel based housing
- Servo control / inverter / 2-speed AC control

Specifications DA-41s

Product configuration

Standard

- LCD display
- 4,7" monochrome
- High-quality foil cover with integrated membrane switches
- Product memory of up to 100 programs
- Number of program steps 25
- Tool library

Ordering information

- DA-41s, compact press brake control



Technical specification

General

- Program number
- Step number 25 max (sequences)
- Millimeters / Inches
- Power-down memorization
- Machine hour counter
- Stroke counter

Axis

- Stroke 0 - 9,999.99 mm.
- Retract 0 - 9,999.99 mm.
- Correction -9.99 - 9.99 mm.
- Retract programmable
- Simultaneous axes movement
- Manual movement of both axes

Housing

- Panel based, vertical housing
- Dimensions 189 x 257 x 44 mm

Programming functions

- User friendly programming
- Numerical program setup
- Angle programming
- Tool programming
- Backgauge position
- Retract function
- Y-opening
- Y-axis correction
- Press speed selection
- Stock counter
- Programmable timer functions:
 - o Decompression
 - o Retract
 - o Dwell time
- Material parameters

Computed functions

- Y-axis depth computation
- Bending force calculation

Integrated functions

- Diagnosis mode
- Service mode

Axis control Inputs/Outputs

- +/- 10V for servo control
- 2-speed control for AC motors
- Inverter control (incl. directional outputs)

Digital Inputs / Outputs

- Flexible I/O configuration
- Opto-isolated I/O

Interfaces

- TTL Encoder interface
- Max. encoder frequency 1 MHz
- 5V or 12V single or differential ended
- DNC RS-232C, bi-directional

Miscellaneous

- Operator selectable dialogue languages
- Offline software for backup/restore of parameters and programs

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Everything under control