

DA-51

Compact 4-axis CNC
system for press brakes

Delem



The DA-51 press brake controller offers all basic CNC functions incl. angle programming of the Y-axis, controlling up to 4 axes. The front panel layout with the **bright LCD display** guarantees a very user-friendly and easy to program controller.

For part programming it provides the user programming space for 500 program lines where each program can contain **up to 25 bends**. All bend parameters are orderly listed on one page. For each program there is one extra page available to specify a.o. tooling, material properties and stock count.

The unique **“push button page”** structure gives a direct access to programs in memory and guarantees quick and easy programming of a product.

With the test bend **teach-in function**, the press brake utilisation will be more efficient due too less programming and less test time.

The basic machine control functions are Y1-Y2 and X axis, optionally a second backgauge axis can be used as R/Z or X2-axis.

DA-51 featuring:

- One page programming
- R-axis, Z-axis or X2-axis optional
- Crowning control
- Panel based housing
- Large memory base
- Tool library
- Servo, frequency inverter and AC control

Technical Specifications DA-51

Product configuration

Standard

- Synchronised press brake control
- Conventional press brake control
- LCD display 320 x 240 pixels
- Memory capacity:
500 programs, 25 bends per program
- Tool library 30 punches / 30 dies
- Bend repeat, 99 max.
- Operator selectable language

Field options

- Additional auxiliary axis
- Tandem option
- Programming key lock

Factory options

- Box type housing



Box type housing

Ordering information

- DA-51
- DA-51C conventional systems

Technical specifications

General

- Program number, 7 digits
- Drawing number, 20 digits alpha-numeric
- Program repeat max. 9,999
- Step number, 25 max. (sequences)
- Step repeat, 99 max.
- Millimeters / inches
- Stock counter
- Tandem operation
- Power-down memorisation

Housing

- Panel based housing
- Dimensions: 350 x 220 x 60 mm

Programming functions

- One page programming table
- Free material programming
- Free programmable tools

Computed functions

- Press force
- Crowning adjustment
- Bottoming force

Interfaces

- DNC-RS 232C, communication for back-up and restore of parameters

Axis control Inputs / Outputs

- Servo controlled axis
- Unipolar frequency inverter control
- 2-speed axis control for AC-motors
- "Teach-in" on Y and auxiliary axes
- Function outputs, up to 5

Miscellaneous

- Diagnostic program
- Dialog messaging
- "Teach-in" on Y and auxiliary axis
- Opto-isolated I/O

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Everything under control