

DA-52

Compact 4-axis colour CNC system
for press brakes

Delem



Compact without compromise

The DA-52 provides a compact and cost-effective solution for a wide range of press brake applications without compromising on machine functionality.

The compact DA-52 is a complete CNC solution for conventional as well as synchronised press brakes.

The panel-based control, capable of controlling up to 4 axes, can be integrated in cabinets as well as in an optional pendant arm housing.

Equipped with the Delem user-friendly user interface, the DA-52 provides all main press brake functionality.

The unique 'hotkey' navigation gives direct access to the programs in memory and enables quick and easy programming of a product. All common bend parameters are located on one page. For advanced parameters an additional page can be selected.

Angle programming of the Y-axis, crowning function and pressure control are standard on board.

USB interfacing enables the use of memory sticks as a fast product and tool back-up medium.

DA-52 features:

- Quick, one-page programming
- Hotkey navigation
- 6,4" VGA colour LCD (TFT)
- Up to 4 axes (Y1, Y2, and 2 auxiliary axes)
- Crowning control
- Tool/material/product library
- USB, peripheral interfacing
- Advanced Y-axis control algorithms for closed loop as well as open loop valves
- Panel-based controller with optional housing

Specifications DA-52

Product configuration

Standard

- Synchronised / conventional press brake control
- Colour LCD display
- 6,4" TFT, VGA
- 266 MHz processor
- Memory capacity 64 MB
- Product memory min. 2 MB
- Tool library:
 - 30 punches
 - 30 dies
- Data back-up / restore via USB
- Power-down memorisation

Ordering information

- DA-52, CNC in robust housing
- DA-52P, Panel version
 - + VA for integrated valve amplifier

Field options

- Additional auxiliary axis

Factory options

- Integrated valve amplifier
- Pendulant arm type housing



Panel type housing DA-52P

Technical specifications

Mechanical

- Panel 313 x 226 x 52 mm
- Design aluminium edge
- Housing 456 x 270 x 121 mm
- IP54

Interfaces

- Opto-isolated digital I/O
- Encoder inputs (single/diff. 5 V / 12 V)
- Optional integrated valve amplifier Y1, Y2
- RS232 port
- USB port

Control

- Servo- / 2 speed AC control
- Unipolair / frequency inverter control
- Direct pressure valve control
- Direct proportional valve Y1, Y2 control (VA version)
- Up to 5 digital function outputs
- Tandem operation

Programming functions

- 7-digit program number
- 20-character drawing number
- Stock counter (up to 9999)
- Step repetition (up to 99)
- Millimeter / Inch
- One-page programming table
- 'Teach-in' on all axes
- Programmable axis speed per step
- Programmable material properties
- 30 punches
- 30 dies

Backgauge configurations

- X, R
- X, Z
- X1, X2
- X, Z, RD

Computed functions

- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Bottoming force
- Angle correction database

Miscellaneous

- Diagnostic program
- Sequencer functionality (PLC)
- Error messaging system
- On board analysis
- Operator selectable dialogue languages

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