DA-52s

Delem

Compact without compromise

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

The compact DA-52s 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 pendulant arm housing.

Equipped with the Delem user-friendly user interface, the DA-52s 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 backup medium.

DA-52s features:

- Quick, one page programming
- Hotkey navigation
- 7" widescreen colour 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-52s

Product configuration

Standard

- Synchronised / conventional press brake control
- Colour LCD display
- 7" widescreen TFT
- LED backlight
- 266 MHz processor
- Short travel keyboard technology
- Memory capacity 64 MB
- Tool library
  - 30 punches
  - 30 dies
- Data backup / restore via USB
- Power-down memorisation
- Integrated valve amplifier

Ordering information

- DA-52s,   CNC in robust housing
- DA-52s-P, Panel version

Factory option

- Pendulant arm type housing

Field options

- Additional auxiliary axis

Panel type housing DA-52s-P

Technical specification

Mechanical

- Housing 470x282x122mm
- Design aluminium edge
- Panel 313x226x52mm
- IP54
- Weight 7.1 kg (incl. housing)

Electrical / interfacing

- Opto-isolated digital I/O
- Encoder inputs (single/diff.5V/12V)
- 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
- Up to 5 digital function outputs
- Tandem operation

Programming

- 7 digits 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
- Radius programming (bumping)
- Programmable axis speed per step
- Programmable material properties
- 30 punches
- 30 dies

Backgauge configurations

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

Computed

- 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
- Safety PLC interfacing

E v e r y t h i n g   u n d e r   c o n t r o l