

DA-56

Compact 4-axis color graphical CNC system for press brakes

Delem



Compact solutions

With the new DA-56 compact and versatile solutions can be provided for powerful economic press brake applications.

The compact DA-56 provides easy CNC programming with the Delem 2D graphical product design tool. Machine adjustment and test bends are reduced to a minimum because of the quick and easy to use bend sequence determination tool.

The CNC program is generated with a one touch key stroke. You are ready to make the first part since all axes positions are automatically computed and the bend sequence has already been simulated on the screen with the machine and tools in real scale.

In the production mode of the DA-56 the operator can graphically simulate the bend process of the product guiding him during the press brake operation. The basic machine control functions are Y1-Y2 and X axis, optionally a second back gauge axis can be used as R/Z or X2 axis. Also the crowning function is standard on board.

The CNC control is based on the latest technology giving flexibility to use. On board USB interfacing gives a fast product and tool backup medium.

With the color TFT LCD screen and the modern User Interface, the user has a clear and fast programming facility. Offline programming is possible with the DA-Offline solutions.

DA-56 featuring:

- 2D graphical programming
- 10,4" LCD TFT color display
- Bend sequence determination
- Developed length calculation
- Crowning control
- USB peripheral interfacing
- Servo, frequency inverter and AC control

Technical Specifications DA-56

Product configuration

Standard

- Color LCD display
- 10" TFT, high brightness
- 200 MHz processor
- Memory capacity 32 MB
- Product- and Tool memory 2 MB
- Memory storage via USB
- USB flash memory drive

Factory option

- Integrated valve amplifier



Ergonomic design housing

Ordering information

- DA-56 CNC in robust housing

Technical specifications

General

- Program number 7 digits
- Drawing number 20 digits alpha numeric
- Program repeat max 9,999
- Step number 99 max (sequences)
- Step repeat 99 max
- Millimeters / Inches
- Stock counter

- Tandem operation
- Power-down memorization

- Sequencer functionality (PLC)
- Error messaging system

Housing

- Panel based housing

Programming functions

- 2D product programming and visualization
- Graphical bend sequence determination
- Fast collision check
- Programmable axis speed reduction
- Free material programming
- Free programmable tools
- Graphical tool programming

Computed functions

- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Auto bumping calculation
- Angle correction database

Interfaces

- DNC RS-232C, bi-directional
- USB

Axis control Inputs / Outputs

- Servo controlled axes
- 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
- Operator selectable dialogue languages
- Dialog messaging
- Help texts via online support
- Opto-isolated I/O

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