DAC-310

**Shear control range
single-axis programmable
shear control solution**

Delem

The DAC-310 shear controller provides a complete and compact shear control application. Including backgauge control, gap control and stroke length limitation this state of the art electronics based unit makes a versatile solution.

The backgauge axis control supports servo control, two-speed AC control, as well as unipolar control.

Whatever kind of positioning is selected, depending on the application you can select either two-side positioning as well as single-side positioning with spindle fault elimination.

Referencing can either be done automatically or the DAC-310 will always remember the last position of the system after powering off.
The backgauge can be moved manually by selecting pushbuttons in 2 different speeds.

With its bright LCD display, the control offers a clear, fast and simple programming facility. The actual and programmed position information are visualized simultaneously; the stock counter can also be displayed at the same time.

On every step the control offers chaining, retract functionality as well as repetitive strokes.

DAC-310 featuring:
- Bright LCD display
- Backgauge control
- Gap control
- Stroke length limitation
- Actual and Programmed position visualization
- Stock counter
- Programmable up to 100 steps
- Panel-based housing
- Servo control / unipolar / AC two-speed control
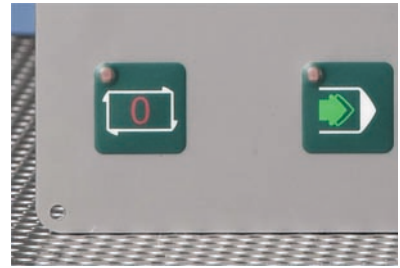
Technical Specifications DAC-310

Product configuration

Standard

- LCD 128 x 64 display
- High-quality foil cover with integrated membrane switches. Incl. tactile feeling
- Panel type housing

Factory options

- DAC box housing

Panel-based concept

Ordering information

- DAC-310, for the NC control
- DAC-BOX, for the optional housing

Technical specifications

General

- Millimetres / inches
- Stock counter
- 2 digital function outputs
- Manual axis movement
- Power-down memorization

- Designed and built to meet industrial standard IEC61000-4

Housing

- Panel-based housing
- Dimensions: 186 x 138 x 40 mm
- DIN 43700

Axis

- Stroke 0 - 9,999.99 mm
- Retract 0 - 9,999.99 mm
- Correction 0 - 9,999.99 mm

Programming functions

- User-friendly one-touch programming
- 100 program steps
- Axis position
- Positioning correction
- Chaining
- Retract
- Function outputs
- Step repetition
- Gap value
- Stroke limitation
- Product counter
- Inch/mm selection

Integrated functions

- Diagnosis mode

Digital Outputs

- Flexible I/O configuration
- Opto-isolated 0..24V

Digital Inputs

- Flexible I/O configuration
- Opto-isolated 0..24V

Analog Outputs

- +/- 10V for DC drives
- 2-speed control for AC motors
- Unipolar control incl. direction outputs (frequency inverter operation)

Interfaces

- TTL Encoder interface
- Max. encoder frequency 1 MHz
- 5V or 12V single or differential ended
- RS-232 interface

Everything under control