

DAC-360s

Compact and versatile
CNC control for advanced
shearing machines

Delem



Compact solution

The DAC-360s series provides compact shear control solutions for back/front gauge, angle, gap and stroke control.

The **DAC-360s** control provides a user-friendly and **versatile solution** for shearing machines. Upon demand multiple back gauge axes, cutting angle, stroke length and gap can be controlled, based on **state of the art electronics**.

Next to back gauge control, the DAC-360s **automatically calculates** the required setting for the cutting angle and gap depending on material properties and thickness. The stroke length is optimized based on the required cutting length, **increasing productivity**.

The back gauge control supports servo control, 2-speed AC control as well as inverter control. Depending on the application you can select either two-side positioning or single side positioning with **spindle correction**. The **DAC-362s** supports **dual axis** control, offering control for an extra back gauge or front gauge and related functionality.

Full **force control** for clamping and cutting is available in the DAC-360s.

With its tabular navigation on the bright LCD screen a clear and easy operation is offered. The numerical programming is **user-friendly** and guides the operator through all programming possibilities.

DAC-360s featuring:

- Panel based housing
- Bright LCD screen
- Back / front gauge control
- Retract function
- Cutting angle and gap control
- Stroke length limitation
- Manual movement of all axes
- Force control
- Sheet thickness measurement
- RTS, Return to Sender function
- Second servo axis (DAC-362s)
- Sheet support

Specifications DAC-360s

Product configuration

Standard

- 4.7" monochrome LCD
- Program memory for 100 programs
- Up to 25 steps per program

Ordering information

- DAC-360s, compact shear control
- DAC-362s, dual axes compact shear control



Technical specification

General

- Program library
- Millimetres / inches selection
- Power-down memorisation
- Machine hour counter
- Stroke counter

Axis

- Stroke control
- Gap control
- Angle control
- Back/front gauge control, dual gauge control (DAC-362s)
- Stroke 0 - 9,999.99 mm.
- Retract 0 - 9,999.99 mm.
- Correction -9.99 - 9.99 mm.
- Retract programmable
- Simultaneous axes movement
- Manual movement of axes

Force control

- Clamping force
- Cutting force

Housing

- Panel based, vertical housing
- Dimensions 189 x 257 x 44 mm

Programming functions

- Numerical program setup
- Back gauge position
- Retract function
- Angle programming
- Gap programming
- Stroke length
- Step repetition
- Material types / properties
- Thickness
- Stock counter
- Sheet position
- Axis speed
- Sheet support
- "Return to sender" function
- Sheet thickness measurement
- Back gauge park position

Computed functions

- Angle, gap and stroke length computation
- Force (clamping / cutting)
- Backgauge safety zone

Integrated functions

- Diagnostic mode
- Service mode

Axis control

- +/- 10V for servo control
- 2-speed control for AC motors
- Inverter control (incl. directional outputs)

Digital Inputs / Outputs

- Flexible I/O configuration
- 12 inputs / 20 outputs
- Opto-isolated I/O

Interfaces

- Encoder interface, 5V or 12V single or differential ended
- Max. encoder frequency 1 MHz
- RS-232C, bi-directional

Miscellaneous

- Operator selectable dialogue languages
- Offline software for backup/restore of parameters and programs

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Everything under control