

DAC-360T

Compact and versatile
touch CNC control for
advanced shears

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Compact solution

The DAC-300T series provides compact touch shear control solutions for a variety of functionality on modern shears.

The **DAC-360T** control provides a user-friendly and **versatile touch control solution** for shears. 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-360T **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, thus **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, using optional **spindle correction** functionality. The **DAC-362T** supports **dual and triple gauge axes** control, offering control for extra gauges and related functionality.

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

With its easy to use touch screen navigation on the bright LCD screen, operation is most **user-friendly**. The numerical programming with clear icons guides the operator through all programming functionalities.

DAC-360T 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
- Return to Sender function
- Second and third servo axis (DAC-362T)
- Sheet support

Specifications DAC-360T

Product configuration

Standard

- Colour LCD display
- 7" widescreen TFT
- LED backlight
- Program memory for 100 programs
- 25 steps per program

Optional

- Offline software, Profile-360T



Ordering information

- DAC-360T, compact touch shear control
- DAC-362T, multi axes compact touch shear control

Technical specification

General

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

Axes

- Back/front gauge control
- Stroke control
- Gap control (dual gap)
- Angle control
- Dual / triple gauge control (DAC-362T)
- Stroke 0 - 9,999.99 mm
- Retract 0 - 9,999.99 mm
- Correction -99.99 - 99.99 mm
- Retract programmable
- Simultaneous axes movement
- Manual movement of axes

Digital Inputs / Outputs

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

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

Force control

- Clamping force
- Cutting force

Integrated functions

- Diagnostic mode
- Service mode
- Backup and updates via USB

Electrical / interfacing

- Power supply: 24V
- Opto-isolated digital I/O
- Encoder inputs (5V/12V)
- Max. encoder frequency 1 MHz
- USB port

Axis control

- +/- 10V for servo control
- 1-or 2-speed control for AC motors
- Frequency inverter control

Housing

- Panel based housing
- Dimensions 186 x 252 x 45 mm

Miscellaneous

- Operator selectable dialogue languages
- Optional offline software

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Everything under control