

CUTTING EDGE SOLUTIONS

DAC-360T

Compact and versatile touch CNC control for advanced shears



The DAC-300T series offers modern compact and versatile shear control solutions for 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.

Shear comfort at your fingertips

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.

State-of-art function complete

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 features:

- 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 high brightness LCD display
- 10.1" TFT
- LED backlight
- 1024 x 600 pixels
- Program memory for 100 programs
- 25 steps per program

Field options

- Offline software, Profile-360T



Ordering information

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

Panel type housing DAC-360T

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

- 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

Mechanical

- Panel dimensions: 200x280x57mm
- Design, glass surface, aluminium edge
- Weight 1.7 kg

Miscellaneous

- Operator selectable dialogue languages
- Optional offline software