

ATS 590 Press Brake Control

Graphical Press Brake Control with Angle Programming

The ATS 590 is a high-end 4-axis control, designed for making press brake productions easier, faster and more reliable. Thanks to the user-friendly interface, the programming of a press brake is no longer complicated.

With a memory of over 1000 programs and extensive material-and tool libraries, this control is ideal for the production of many different series.

General Control Functions:

- Automatic or manual bending
- Up to 1000 programs
- Extensive program management (hard disk & floppy)
- Absolute or incremental programming of the back gauge
- Program target angle, depth or pressure
- Automatic calculation of needed force or pressure
- Automatic angle correction
- Manual adjustment of Top Dead Centre (TDC), speed changeover point, dwell time, delay, back gauge retraction, clamping point, auto-up
- Graphical tool library
- Material library
- Creation and editing of tools
- Editing of existing workpieces
- Visual simulation of workpiece and machine-elements
- Automatic bending sequence search
- Manual bending sequence construction
- Visualization of found solutions
- Hemming
- Special function for simple, one-time programs
- Program-info page
- Tilt
- Programmable CNC-controlled anti-deflection
- Programmable decompression (time and distance)
- Jogging
- Multiple counters (control time, pump time, steps, workpieces, ...)
- Mm or Inch
- Programmable limits
- Tool height calibration mode
- Programmable finger height adjustment

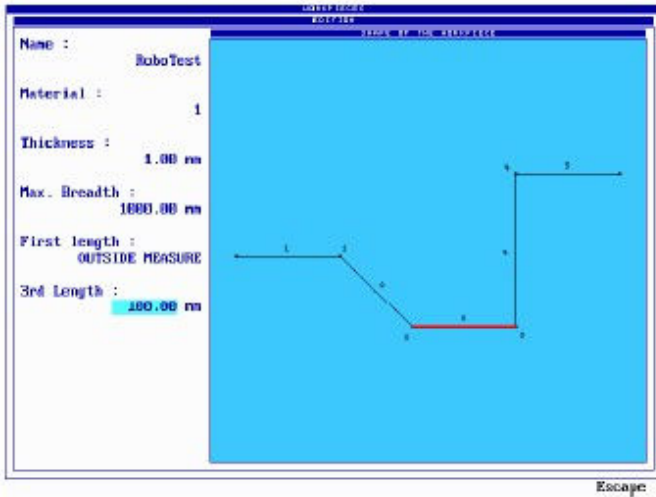
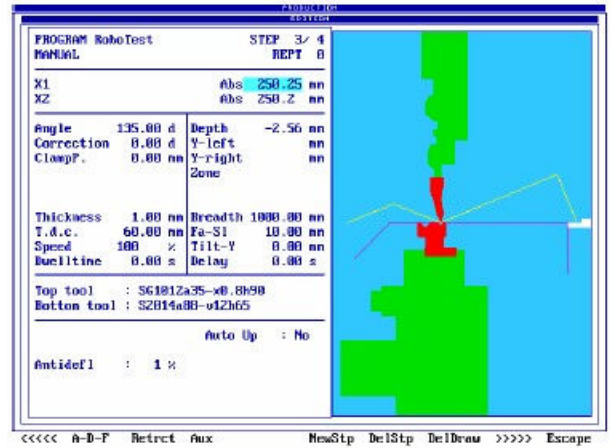


Features:

- 10" color TFT display
- Front panel protection cover
- Pump activation and emergency stop integrated on the control panel
- Depth axis servo system for direct servo valve control
- DC single axis back gauge control
- Incorporated proportional valve drive
- 3½" floppy disk drive
- Multiple control methods selectable on the control (CE)
- DNC for communication between machine and PC
- Diagnostics and service routines
- Language support
- Manual (English or native language)
- Optional Off-Line Programming Software available

ATS 590 Press Brake Control (Cont.)

The detailed graphical simulation guarantees a clear overview of the entire production cycle.



Tool management

The accuracy of the ATS 590 is obtained thanks to the extensive creation and editing possibilities of the machine tooling.

Graphical programming

With the easy and intuitive drawing methods, a part is drawn in just seconds.

Graphical support ensures that no more mistakes are made during the concept of the workpiece.

