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CNC S 560 TOUCH

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# CNC 5560 TOUCH

## Typical Applications

- Conventional press-brakes (Mechanical and Hydraulic), synchro Hydraulic press-brakes, servo controlled hydraulic single cylinder press-brakes, electrically driven press-brakes, tandem press-brakes
- Hydro-mechanical press-brakes American style
- Hämmerle press-brakes

## Software Specifications

- Interactive 2D graphic editor for work-pieces and tools data entry
- 2D graphic display of machine frame, work-piece and tools
- 2D automatic identification of the best bending sequence
- Programming of the axes positions in tabular mode with automatic syntactical checks, automatic calculation of the r, z and A positions and of the bending and crowning tonnage
- Windows XP Professional operating system
- Complete off-line programming on a standard pc
- IEC 61131-3 PLC programming language with function utilities either written in IL or "C" language, are available for manufacturers
- Customizable alarm messages
- 3D graphic images managing (generated by external CAD/CAM)

## Special Features

- Selectable and programmable axes and auxiliary functions
- Drivers for hydraulic axes with proportional valves closed loop or open loop or servo valves, servo drivers (a.c./d.c.), and a.c. motors with or without inverter; drivers for the most common field buses (sercos, CANopen, Mechatrolink...)
- Following arms, thickness detector, in-process angle measurement units, robotic inter- facing, controlling for tandem press-brakes
- Safety PLC communication (PILZ, LAZER SAFE)

## General Specifications

- 24Vdc 100W max power supply
- 9" LCD TFT SXGA colour display with antiglare screen
- Resistive Touch Screen with multi-touch functionality
- Ergonomic aluminium housing, with a panel suitable for machine operational selector-switches and push-buttons
- 2.5" Hard disk drive 20GBytes or more
- Preset for standard pc keyboard and mouse (PS2 standard connectors)

## Technology

- CPU PC: Intel Atom N270 1,6GHz, with 1Gb of RAM

- CPU CNC: Amd Geode ETX-LX800 500MHz, with 128Mb of RAM
- FPGA integrated logics, surface mounting, fiber optic

## Communication Ports

- 1 serial ports rs-232, 3 USB ports, 2 ethernet port on the PC
- 2 serial ports rs-232, 2 USB, 1 ethernet port, 1 can open port on CNC
- Fiber optic interface
- Local area network

## User Memory

- Hard disk for more than 1.000.000 part programs, USB stick for more than 50.000 programs

## Options

- Modem for telecommunication assistance
- Remote handheld terminal for editing and correctional operations
- Connection to external electronic goniometer and calibre (PS2)
- Management of several sensors inputs for measuring sizes like material thickness and width or resistance; measuring the machine frame deformation and so on
- Angle corrections and material stretching database
- Additional fold-back QWERTY keyboard and mouse
- Active crowning
- Crowning corrections in degrees
- Lazersafe angle measurement system integrated on system
- DataM angle measurement system integrated on system
- Spring back measuring system

## Axes

- Standard 4+wila, on request up to 16+wila
- 5V incremental encoder inputs (line-driver or single ended)
- Maximum encoder input frequency 500KHz
- 4 Analog inputs suitable for mechanical crowning systems management or sensors

## INPUTS/OUTPUTS

- Standard 32 inputs and 32 outputs
- Remote I/O system, connected through optic fiber link
- The I/O number could be expanded up to 2048
- 24Vdc PNP opto-insulated inputs, 24Vdc 0,7A opto-insulated static outputs protected against short circuit
- Special I/O board for pressure and crowning valves (up to 3A)



Esautomotion Srl Sede legale: Via Vigoni, 5 - 20122 Milano - Italy

Sede operativa: Via G. Di Vittorio, 24/b - 41011 Campogalliano (MO) - Italy

Tel: +39 059 851414 - Fax +39 059 851313 - Email: [info@esautomotion.com](mailto:info@esautomotion.com) - <http://www.esautomotion.com>