

esa

S 600 Series

→ S 625



Compact and ergonomic CNC for guillotines shearing machines, equipped with a 7" touch screen which makes all operations on a shearing machine simple and intuitive. Can manage up to 3 axes and 16+12 I/O with integrated PLC.

Storage of thousands of part programs.

All kinds of shearing technology supported

General specifications

- 24Vdc 60W max power supply
- 7" Color LCD TFT color display with antiglare screen
- 4 wire resistive touch screen
- Silicon hard disk (flash disk), USB port
- VIA Eden X1 – 1,06GHz – 1Gbytes DDR3 of RAM.
- FPGA integrated logics, surface mounting, fiber optic
- 1 Serial ports RS-232,
- 1 USB 2.0 port for memory stick
- 1 Ethernet port 10/100Mbit

User memory

- Silicon hard disk (flash disk) 128 MBytes

Axes

- Standard 3 axes
- 3 x 14Bit +/-10V analog outputs
- 3 x Incremental encoder inputs, 5V differential line-driver or 5V/12V single ended. Maximum encoder input frequency 500KHz. (Note. One of these axes can be managed by analog input instead digital encoder)

Inputs/Outputs

- 16 digital inputs - 24Vdc PNP opto isolated
- 12 digital outputs - 24Vdc 600mA opto-isolated static outputs protected against short circuit
- 3 Analogical inputs (0-10 V 12 bits resolution)
- 1 Analogical outputs (0-10V 12 bits resolution)

Machine Configurations

- All kinds of guillotine shearing machines, equipped by 1 to 3 axes (back gauge, blade gap, angle).
- Different configurations on demand

Main functions

- All programs, tools description, parameters can be stored on the internal memory or on USB memory stick. These files can be exchanged with other CNC and PC trough USB memory stick.
- Complete graphic off-line programming on a standard PC, through a simulation program.
- IEC 61131-3 PLC programming language with function utilities either written in IL or "C" language are available for manufacturers.
- Customizable alarm messages.
- Very Easy Programming
- 2D graphic tools
- PC software offline

Special Features

- Selectable and programmable axes and auxiliary functions.
- Drivers for hydraulic axes with proportional valves or servo valves or open loop valves, servo drivers (a.c./d.c.), and a.c. motors with or without inverter.
- Modem for telecommunication assistance.
- USB memory stick available on all products range.
- Fully hardware and software compatibility among all products range.
- CNC hardware configuration (motors type & quantity, valves type & quantity, I/O type & quantity) can be edited from the CNC itself.



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