

esa



CNC S 530

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Basic unit equipped with CPU AMD GEODE ETX-LX800 500MHz, 128MB Dram. Including:

- Graphic color 7" LCD TFT display (800 x 480 pixel resolution).
- 128 MB Silicon Disk.
- 51 keys IP65 keyboard (33 general purpose keys plus 18 function keys placed on the near of the display).
- 4 fast counting circuits for Line Drive 0-5Vdc differential encoders or NPN/Push pull. The encoders are powered at 5Vdc (max 200mA per channel).
- 4 analog outputs ($\pm 10V$) with 13bits + sign resolution.
- 4 analog inputs, 12 bits resolution, ranges 0 \div 10V, 0 \div 5V.
- 2 general purposes analog outputs, 0 \div 10V (12 bits resolution).
- 32 digital inputs (24Vdc).
- 32 digital outputs (24Vdc, 0,7A max.) protected against overload and short-circuits.
- 2 serial ports RS232.
- 1 CAN port with 9 pins SubD Female connector.
- 24Vdc power supply.
- 2D graphic preview for part pieces (if graphically edited).
- 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 through 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.

Special features.

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.
- Guillotine shears, with 3-4 axes.

Software features

- Programming of the axes positions in tabular mode with automatic syntactical checks, automatic calculation of the R and Z positions and of the bending and crowning tonnage.
- 2D graphic editing for punches and dies.

- Selectable and programmable axes and auxiliary functions.
- Drivers for hydraulic axes with proportional valves or servo valves, servo drivers (a.c./d.c.), and a.c. motors with or without inverter; drivers for the most common field buses (CAN BUS).
- Following arms, thickness detector, in-process angle measurement units, robotic interfacing, controlling for tandem press-brakes.
- Safety PLC communication (PILZ, LAZER SAFE).
- Modem for telecommunication assistance.
- High performances tandem machines management without added sensors requirement.
- USB memory stick available on all products range.
- Fully hardware and software compatibility among all products range.
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- CNC hardware configuration (motors type & quantity, valves type & quantity, I/O type & quantity) can be edited from the CNC itself.



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