

esa



CNC S 525

# CNC 5525

Basic unit equipped with CPU AMD GEODE ETX-LX800 500MHZ, 128MB DRAM INCLUDING :

- Graphic monochrome 7" LCD tft display (800 x 480 pixels resolution).
- 128 MB Silicon Disk.
- 51 keys IP65 keyboard (33 general purpose keys plus + 18 function keys placed on the near of the display).
- 3 fast counting circuits for Line Drive 0-5Vdc differential encoders or NPN/Push pull. The encoders are powered at 5Vdc (max 200mA per channel).
- 3 analog outputs( $\pm 10V$ ) with 13 bits + sign resolution.
- 2 analog inputs, 12 bits resolution, ranges 0 $\div$ 10V, 0 $\div$ 5V
- 2 general purposes analog outputs, 0 $\div$ 10V (12 bits resolution).
- 16 digital inputs (24Vdc).
- 16 digital outputs (24Vdc, 0,7A max.) protected against overload and short-circuits.
- 1 serial ports RS232
- 1 CAN port with 9 pins D-Sub Female connector.
- 1 Ethernet port 10/100Mbit (Lan connection)
- 1 VGA port for external monitor connection
- 24Vdc power supply.
- 2 USB port (2.0)
- 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.
- Very Easy Programming

## 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; drivers for the most common field buses (ESALink...).
- Robotic interfacing.
- 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.
- CNC hardware configuration (motors type & quantity, valves type & quantity, I/O type & quantity) can be edited from the CNC itself.

## 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 1-3 axes.

## Software features

- Programming of the axes positions in tabular mode with automatic syntactical checks, automatic calculation of the bending and crowning tonnage.



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