



S 530



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基础单元配备DIMM，CPU采用AMD GEODE ETX-LX800 500MHZ，包含128MB DRAM

- 7寸TFT 彩屏（800 x 480 分辨率）
- 128MB 固态硬盘
- IP65等级的51键盘（33个预设标准键+18个显示屏周围的功能键）
- 4个高速编码器接口，可连接5V 差分编码器或NPN的推拉编码器
- 编码器电源为直流5V（每通道最大电流200mA）
- 4路13位模拟量输出（±10V，用于轴）
- 4个用于参考点的数字量输入
- 4路12位模拟量输入，可设置为0-5V，或0-10V
- 2路8位模拟量输出
- 32个输入点（直流24V）
- 32个输出点（直流24V，最大0.7A/点），带有过载和短路保护
- 2个RS232接口
- 1个CANopen接口
- 1个网络接口
- 1个VGA接口用于连接外部显示器
- 2个USB（2.0）接口
- 直流24V电源供电

典型应用

- 传统折弯机（机械和液压），电液同步折弯机
- 伺服控制的液压单缸折弯机，电力驱动折弯机，双机联动折弯机
- 美式液压机械折弯机

软件特色

- 实时自动检查的填表式编程模式，直接角度编程，自动计算R轴位置
自动计算机械补偿A轴位置
- 2D图形编辑上模和下模
- 2D图形预览工件（如果该工件是通过图形编辑的）
- 2D图形编程（选配）
- 自动计算折弯工序（选配）
- 手动折弯页面（单步，不中断程序）
- 所有的程序，模具，参数可以保存在本机内存或U盘
这些数据可以通过U盘上载到其他CNC或者PC上
- 提供完整的离线编程软件
- IEC 61131-3 PLC编程语言功能效用，包含使用IL或者C/C++语言编程
- 自定义用户报警信息

特殊功能

- 提供控制轴及其辅助功能的编程功能
- 可驱动带比例阀或伺服阀的开/闭环阀组，交/直流伺服驱动器，
带变频器或带变频器的交流电机，可驱动最常见现场总线
（Sercos，CANopen，Mechatrolin...）
- 前托料，厚度检测，同步角度测量仪，机械手，双机联动折弯机
- 安全PLC通讯（PILZ，LAZER SAFE）
- 远程协助
- 高性能的双机联动功能，并不需要增加额外的传感器
- CNC上直接对外围硬件进行配置（马达类型，阀类型，I/O类型）

BASIC UNIT EQUIPPED WITH CPU AMD GEODE ETX-LX800 500MHZ, 128MB DRAM INCLUDING:

- Graphic color 7" LCD TFT display (800 x 480 pixels resolution).
- 128 MB Silicon Disk.
- 51 keys IP65 keyboard (33 general purpose keys plus + 18 function place 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(±10V) with 13bits + sign resolution.
- 4 digital inputs for the zero micros.
- 4 analog inputs, 12 bits resolution, ranges 0+10V, 0+5V.
- 2 general purposes analog outputs, 0+10V (8 bits resolution).
- 32 digital inputs (24Vdc).
- 32 digital outputs (24Vdc, 0,7A max.) protected against overload and short-circuits.
- 2 serial port RS232.
- 1 CAN port with 9 pins SubD F connector.
- 1 Ethernet port 10/100 Mbit (Lan connection)
- 1 VGA port for external monitor connection
- 2 USB (2.0) ports.
- 24Vdc power supply.

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.

SOFTWARE FEATURES

- Programming of the axes positions in tabular mode with automatic syntactical checks, angular programming, automatic calculation of the R and A positions and of the bending and crowning tonnage.
- 2D graphic editing for punches and dies.
- 2D graphic preview for part pieces (if graphically edited).
- Graphical drawing (Optional)
- Automatic bend sequence calculation (Optional)
- Manual Bend Page (single Bend, no program interruption)
- 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.

- 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 (ESALink...).
- 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.
- USB memory stick available on all products range.
- CNC hardware configuration (motors type & quantity, valves type & quantity, I/O type & quantity) can be edited from the CNC itself.