

# CNC4AU

## TECHLF

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This new controller comes up with a 32 bits RISC CPU for faster speeds in linear and circular interpolation. New USB1.1 (12MBits/s) communication port with up to 256Ko/s. Very small size, only 160x150 mm. Compatible with **ISA4D** software.

### Technical facts:

- ▶ **Interpolation :**
  - linear (4 axis ) and circular (2 axis)
- ▶ **Speed :**
  - up to 50 000 steps/s ( 4 axis interpolation )
- ▶ **Memory :**
  - local buffer up to 512 Ko ( 50 000 commands )
  - compact flash (256 Mo or greater) with 8 programs
  - PS2 keyboard is used to select programs
  - in option programs are displayed on graphical LCD
- ▶ **Communication :**
  - USB 1.1 (12Mb/s) with local buffer of 512 Ko
  - Download speed up to 256Ko/s
  - PS2 keyboard ( in option )
  - Continuous command execution
  - Real time override
  - Real time spindle control
  - Read back position in real time
  - 2 serial ports
- ▶ **Inputs :**
  - 32 (0-30VDC max)
  - 4 analog (-10V/+10V) 12 bits/1Msps analog to digital converter
- ▶ **Outputs :**
  - 16 open collector (100 mA max)
  - 8 TTL ( clock & dir )
  - 1 PWM (0-5V) for spindle control
  - 1 analog (0-10V) 12 bits/1Msps for spindle control
- ▶ **Security :**
  - embedded security control
  - stop motion and spindle when 1 input ( software programmable ) is active and set output ( software programmable ).
- ▶ **Power supply :**
  - USB powered
- ▶ **The package include :**
  - 1 CNC4AU controller
  - 1 USB cable
  - Connectors
  - Documentation

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