

## CNT-830 Specifications and Function

Simultaneous controllable axis : X, Y, Z, C, B axis

Interpolation : Linear for 3D, Circular for 2D

Coordinate system : Absolute, incremental, Polar

Dwell : 0-9.9 sec for Drilling

Least I/P dimension : 0.001 mm

Max programmable dimension : +/-9999.999 mm

Jog feedrate : 1um, 10um, 50um, 100um per pulse

Feedrate : 10-8000 mm/min

Feedrate override : 10%-150%

Backlash compensation : 0-999um

Pitch error compensation : +/-50 points

Tool compensation : +/-999.999 mm

Mirror image : X, Y axis mirror

Rotation angle : 0-360 degree

2.5D Contour : cut way select, Taper

2.5D Pocket : Zig-Zag, Spiral, Taper

Linear array Nx, Ny : 1-999

Linear array Dx, Dy : +/-999.999 mm

Edit Line : ins/del

Edit page : up/down

Toolpath emulation

CPU : Industrial PC based 32-BIT

Monitor : 14" CRT or 15" TFT LCD

Floppy disk : 3.5" 1.44MB

File storage : Harddisk or CF card or DOM

Axis motor : Digital AC servo motor for 3 axes

Machining interrupt and return

Machining time display

Program error display

Machine alarm display

WatchDog alarm display

Break point setting

Standard G code edit

Standard M code edit

3D cam transfer interface

Network transmit : transfer rate 100MB/Sec.

Look ahead : 2000 Block/Sec.

Automatic detect acc/dec speed of tiny R corner

3D program editing on line

With motor parameters adjusting function to control the motor and machine in the best condition

P.I.D.F Control Loop