

OPEN CNC PLATFORM FOR CUSTOMIZED CONTROL SOLUTIONS

PP15T CNC UNIT

- 15" industrial grade LED TFT colour (1024 x 768 pixels)
- Resistive Touch screen
- Industrial grade motherboard with
- Intel Pentium® 1.6GHz or higher CPU
- 160 GB HDD, (SSD or CF optional)
- 1GB RAM
- 1 x Front USB connector
- 2 x RJ45 Ethernet 10/100/1000MHz
- 2 x PCI CAN bus port
- 4 x rear USB port
- External mouse and keyboard connection (USB or PS2)
- Industrial grade 220V 150W power supply



TT80 Membrane Switch Keyboard

Membrane switch panel with 80 keys & 36 leds including :

- Manual Automatic Programming mode keys
- Single-Bloc mode key
- Initialisation key
- 5 Favourite programs keys
- Program List key
- Goto loading position key
- Program Reset-Start-Stop Keys
- Program Test Mode key
- Light curtain security key
- Tool selection keys
- Manual jog/step modes
- Manual + / - Motion keys
- Manual Step Keys (1,10,100...)



Free function keys and leds :

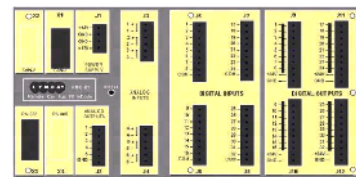
- 20 x free function keys with led

Physical I/Os on the back plane :

- 8 x local 24VDC digital input
- 8 x local 24VDC digital output

BP10 Button board

- Speed % switch node
- Emergency Stop button (optional)
- 8 x external light/buttons and labels (optional)



RMC - Remote I/O unit for electrical cabinet

- 1 x 1MHz CAN-bus,
- 32 x 24VDC opto-isolated digital input
- 32 x 24VDC opto-isolated digital relay output (60mA)
- Digital outputs sink/source selection
- 6 x 10 bits Analogue Input (2 x 0-5V, 2 x 0-10V, 2 x 4-20mA)
- 5 x Analogue Output (3 x 16 bit + 2 x 8 bits PWM)
- 1 x 1MHz additional CAN-bus (optional),
- 1 x RS232, 1 x RS485 (Modbus optional),

General Properties

Electrical AC servo drives over CanBus,
 Full range support for Voith Turbo HL[®]
 Hydraulic units over CanBus,
 Bosch-Rexroth[®] Hydraulic direct control
 Schneider[®] Hydraulic interface,
 Pneumatic axis (analogue or digital)
 Any other new interfaces on request.

Unlimited program size,
 Enhanced ISO G codes editor with **parallel cycles support**,

Code Simulation and Debugging

Offline Simulation with code debugger
 Code execution with **code debugger** allowing **break-points**,
 Real-time parameters state display and setting features.

Secure login and user management with user levels,
 Message journal,

Multilanguage support,
 Advanced search facilities,
 Favourite program lists.

Integrated **scope**,
 Flexible I/O signal configuration,
 Advanced online help,

PLC and HMI interfaces

Built-in **PLC editor in C language**,
 Direct interface and synchronisation between PLC and G codes.

HMI library for **plug-in customization**, allowing user access
 to PLC and motion codes parameters.

Intelligent UPS and power failure support

Direct interface with UPS, automatic shutdown (option),
 Automatic resume from last G code after stop or power failure,

"LYNCA-WIN[®]" Offline programming software

LYNCA-WIN is the optional offline programming
 software package of LYNCA CNC running on any PC
 under Windows[®] or Linux.

LYNCA-WIN provides the same programming and simulation
 functionality as on a LYNCA- CNC, remote transfer to the
 machine using Ethernet TCP/IP or a USB memory.

