

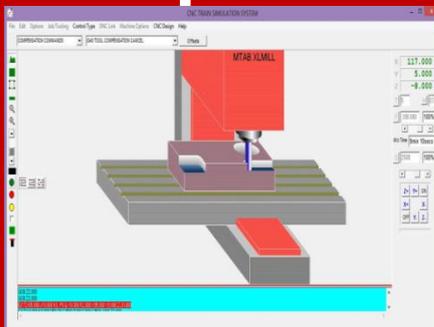
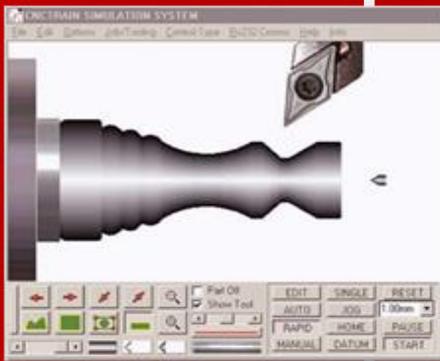
VIRTUAL TRAINING SYSTEM FOR
CNC LATHE AND MILL

MTAB

CNC Train

With MDI Keyboard





Module 1: CNC Train

CNC Train is a complete CNC programming & simulation training system covering many aspects of CNC set up, MDI programming and offers 2D and 3D simulation for machining codes.

Features:

- Multifunctional programming capabilities
- Powerful Graphics including plan view, side view, 3D, tool path, auto zoom
- Tool library for manual and automatic tooling
- Manual or automatic tool-offsetting
- Error Compiler.
- Program editor, on screen MDI panel,
- Multiple output modes to CNC and communication thru RS232, LAN or USB.
- Post processing to multiple controllers.
- Dialogue programming material library

CNC Controls

- | | |
|------------------|------------------|
| - Fanuc OT | - HeidenHain 155 |
| - Fanuc OM | - HeidenHain 355 |
| - Fanuc 21 iT | - HeidenHain ISO |
| - Fanuc 21iM | - Siemens 802D |
| - HeidenHain 145 | - Siemens 828D |

Module 2: CNC Mac

- Virtual Machine Simulator
- Collision detection
- Supports G-codes and M-Codes.
- Two and three axes support for turning and milling available.
- Parting off simulation.
- Front and Rear machining.

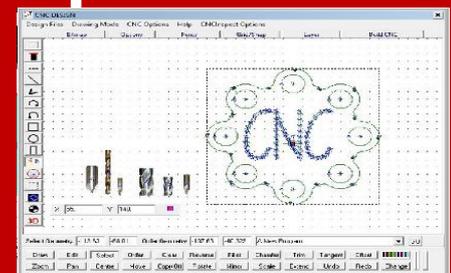
Module 3: DNC

- Direct link to XLTURN (Lathe) and XLMILL (Milling) Machine



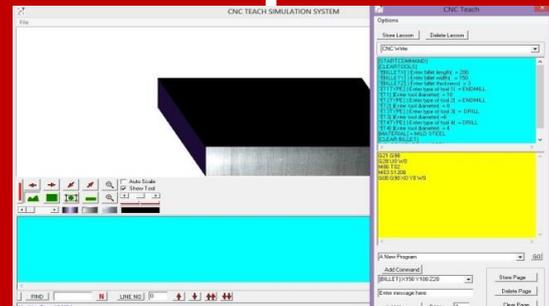
Module 4: CNCDesign

- Powerful yet easy to use package for Part designing with CAD features and tools
- Accurate Geometric Design with many built-in tool
- Import from other CAD packages DXF or HPGL interface.
- Based on tool path for machining, program can be automatically generated.
- Generate programming to multiple controls.



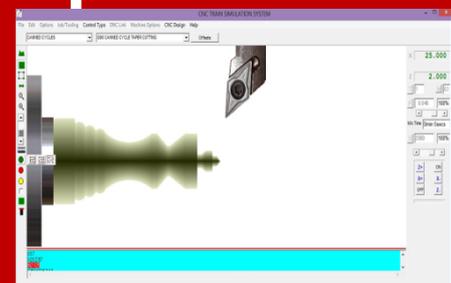
Module 5: CNCWizard

- Wizard based Guide For Part Programming
- Descriptive comments guiding through the machining process.



Module 6: CNCWrite

- Powerful tool for creating advanced programming.
- User friendly selection window for G&M codes
- Special cycles and functions available according to control type
- Dialogue programming input



Desktop MDI Keyboard

The MTAB MDI Keyboard for industrial controls is a hardware that connects with the computer, to emulate industrial control panel. It works in tandem with CNCTrain software. The MDI control keyboard allows users to mimic the working of industrial controls and operator panels, including use of CNC commands, CNC programming, axes control etc. The keyboard has interchangeable control overlay, allowing users to switch between turning and milling operations. The keyboards are available for Fanuc and Siemens control: Fanuc 0T, Fanuc 0M, Siemens 802D for turning and milling, Siemens 828D for turning and milling. With MTAB XL Series CNC machines with PC-based controller, the keyboard can be used to send commands and control the machines via CNCTrain software.



Features & Advantages

- Simulation with CAM package.
- Advanced graphic selection techniques
- Multiple control options available with FANUC, SIEMENS and HEIDENHAIN.
- User friendly selection window for G&M codes
- Computer based teaching guide for students
- Option of eCNC e-learning package for programming guide

Features & Advantages

- Special cycles and functions available according to control type
- Tooling window with tool selection, tools offset, work shift offset, tool length, etc.
- Datum control techniques
- Learn multiple controls programming using a single software package

For Further Details Contact:

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