

INDUSTRIAL EDUCATION SOLUTIONS



FANUC



FANUC CNC LATHE TRAINER



FANUC CNC MILL TRAINER

CNC GUIDE

CNC GUIDE is a PC software that enables the execution and display of what is equivalent to the actual CNC. One can learn how to operate CNC, check the machining program, confirm the operation of customization features.



FANUC CNC Simulators

FANUC CNC simulators offer realistic CNC training on portable table top packages.

CNC Education Simulator

The CNC education simulator is designed specifically for educational purposes, ensuring affordable access to the latest [FANUC Oi-MODEL F Plus CNC platform](#) in a compact and portable package, easily integrated into any classroom. Add the screen display function software to take over partial control of the simulator on the PC, via the Ethernet connection.

Features:

- Switchable mill and lathe system in one simulator
- 3 Axis milling / 2 axis turning system + 1 spindle
- Conversational programming and 3D simulation (MGI)
- Inch / metric switchable
- 2MB part program storage, with 1,000 registered programs
- 128 Tool offset pairs (T) and 400 Tool offset pairs (M)
- Work piece coordinates G52 – G59 + 48 additional on mill
- 10.4" Color LCD
- Full QWERTY keyboard
- USB and Ethernet connectivity
- Weight: Approx. 12kg - Dimensions: 421mm x 220mm x 608mm (W x D x H)



CNC GUIDE

Development and debugging of custom screens and ladder programs can be effectively performed on the PC. As you can actually debug on a PC in the office before changing the customized software on the actual machining tool, it will improve efficiency of development work.

FANUC PICTURE

- Confirm the functionality of the screens created with FANUC PICTURE on the CNC GUIDE
- The executable screens confirmed on the CNC GUIDE can be loaded on the CNC without converting them

C Language Executor

- C language program for CNC is compiled for the PC and operation is checked on the CNC GUIDE
- Source code debugging using Visual Studio®(*)

PMC Simulation

- Simulation of the ladder program performed on the PC
- Supports various functions such as Multi-path PMC and Function Block
- Debugging by FANUC LADDER-III via Ethernet connection

FANUC PICTURE

Create operation screen

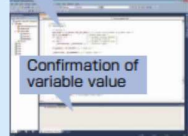


C language executor

Visual Studio®

Execution stop/resume, step execution

Confirmation of variable value



For education



Learning CNC
Operation/
Machining
Program

Purpose

- Learning CNC operation
- Learning CNC programming

Features

- Software for PC
- For education
- We have prepared a sample program that is handy for learning
- It is available for classroom use or individual learning at home

Specification List CNC GUIDE

Item	Specification	
Applicable devices	30i series	Series 30i/31i/32i - MODEL B Series 31i - MODEL B5 Series 30i/31i/32i - MODEL B Plus Series 31i - MODEL B5 Plus Series 31i - MODEL A
	Oi series	Series Oi - TD / MD Series Oi - TF / MF Series Oi - TF Plus / MF Plus
	Laser / punch press / wire cut	Series 31i - LB / PB / WB
	CNC for transfer line	Series 35i - MODEL B
	CNC for general motion applications	Power Motion i - MODEL A
Display device type ⁽¹⁾	8.4" / 10.4" / 15" / 19"	
MDI key	QWERTY / ONG	
Display mode	Picture mode	Displays actual CNC appearance
	Window mode	CNC screen, MDI key, display operation panel, and more at each separate window
Display mode	CNC operation screen section ⁽¹⁾	25 languages (English, Japanese, German, French, Spanish, Italian, Chinese (Traditional), Chinese (Simplified), Korean, Portuguese, Dutch, Danish, Swedish, Hungarian, Czech, Polish, Russian, Turkish, Romanian, Bulgarian, Slovak, Finnish, Vietnamese, Indonesian, Slovenian)
	Application operation section	2 languages (English, Japanese)
Item	CNC GUIDE ⁽¹⁾	CNC GUIDE Education Package
System	Lathe / Machining	
Maximum number of paths	4 paths	1 path
Maximum number of control axis	20 axes	4 axes
Maximum spindle number	4 axes	1 axis
Maximum program capacity	8Mbyte	32kbyte
Maximum program number	4000	63

*1) Will vary depending on the model. When you select Series 30i-MODEL B.

CNC Simulator

Item	Specification
External dimensions	421mm x 220mm x 608mm (w x d x h)
Weight	Approx. 12 kg
Display device	10.4" LCD
Operation section	MDI (QWERTY key) unit, Machine operator's panel, Emergency stop button, Override switch, Manual pulse generator
Input and output media	USB memory, CF card
Communication I / F	Ethernet
Input rating	100VAC to 240VAC, 0.8A to 0.4A, 50/60Hz
Other	Security slot
System (Switching possible)	Machining center system (number control axis 3-axis, spindle 1 axis)
	Lathe system (number control axis 2-axis, spindle 1 axis)
Display mode	24 languages (English, Japanese, German, French, Spanish, Italian, Chinese (Traditional), Chinese (Simplified), Korean, Portuguese, Dutch, Danish, Swedish, Hungarian, Czech, Polish, Russian, Turkish, Romanian, Bulgarian, Slovak, Finnish, Vietnamese, Indonesian)

- Cannot connect the motor.
- Cannot add or change optional features.

Educational Integrator:-



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