FANUC CNC Education Simulator

Affordable and portable training solution on 'real' FANUC hardware
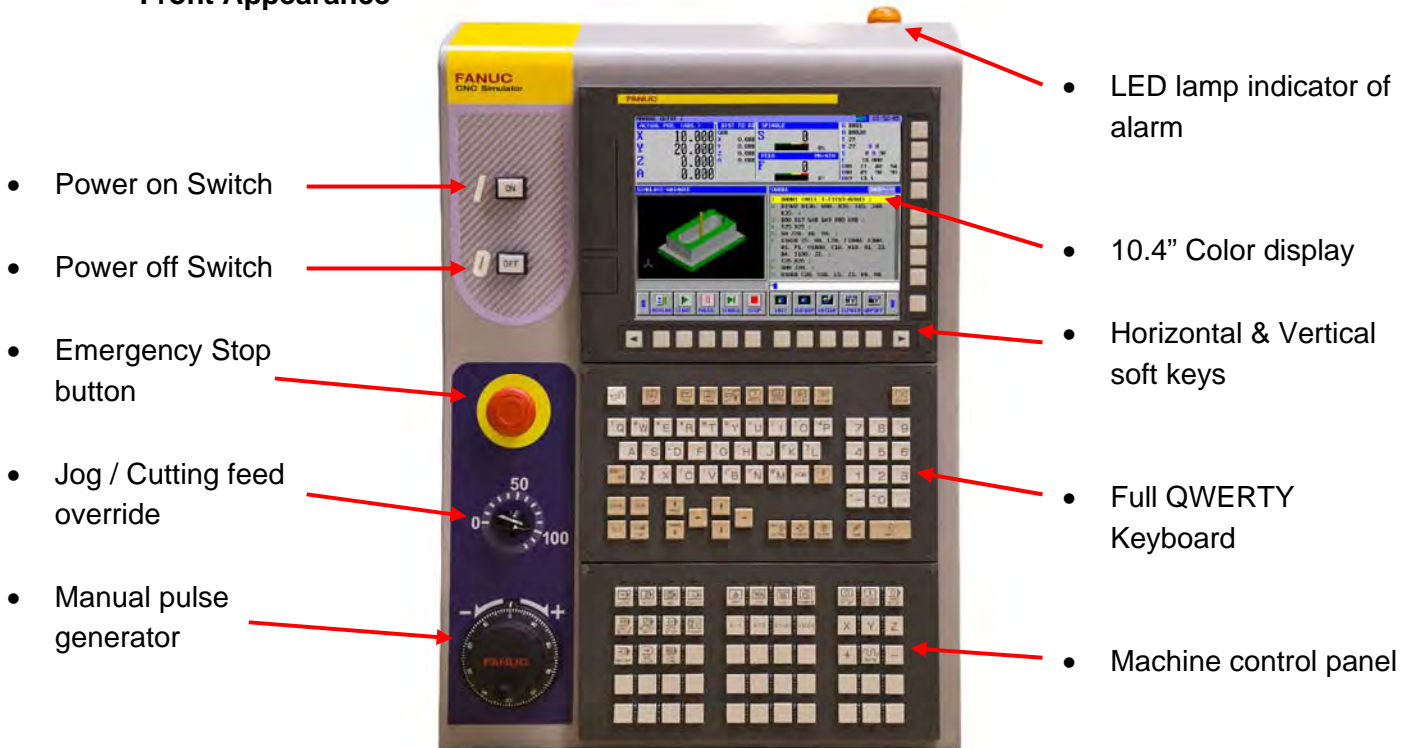
FANUC

Features:

- Switchable mill and lathe system in one simulator
- 3 axis milling / 2 axis turning system + 1 spindle
- Manual Guide i installed for conversational program creation and 3D simulation
- Inch / metric switchable
- 512kb part program storage, with 400 registered programs
- 32 Tool offset pairs
- Work piece coordinates G52 – G59 + 48 additional on mill
- 10.4" Color LCD
- Full QWERTY keyboard
- USB, Flash ATA and Ethernet connectivity
- Optional I/O link I and RS232 serial interface
- Power: AC 100 - 240, 0.8A – 0.4A, 50 – 60Hz
- Power consumption 80w
- Weight: Approx. 26.4lb (12KG)
- Dimensions: Approx. 16.5" x 7.5" x 23.3" (421mm x 190mm x 592mm)

The FANUC CNC simulator is a perfect addition to the classroom and an essential component to gain maximum exposure to FANUC CNC controls when actual machine time is limited. Based on the FANUC 0iF platform, the simulator will allow you at power on to switch between milling and turning configurations to teach programming, navigation and operation on the world's most popular CNC control. Simple configurations make it easy to learn how to operate and edit data on a modern FANUC control. FANUC's MGi conversational interface allows user to graphically generate programs that can be simulated in 3D, prior to being converted back to conventional NC programs to be used on machine tools using FANUC controls. Uploading and downloading (read and punch) functions are facilitated by means of the standard Flash ATA interface and USB interface, and DNC functions are supported by Ethernet and Flash ATA card.

Front Appearance

- LED lamp indicator of alarm

- Power on Switch

- Power off Switch

- Emergency Stop button

- 10.4" Color display

- Jog / Cutting feed override

- Horizontal & Vertical soft keys

- Manual pulse generator

- Full QWERTY Keyboard

- Machine control panel

Designed with the classroom in mind

Students can perform operations and programming exercises away from the machine and then simply take the program to the machine. Features such as FANUC's dual screen display are standard features, so with additional PC software instructors can replicate the screen of the simulator on a PC, via the Ethernet connection for instructor led classes on a projector.

Process-orientated conversational programming

For students advancing to a smaller job shop or tool room, user friendly MANUAL GUIDE i conversational programming simplifies and enhances their productivity. This innovative part programming operation environment focuses the student on machine operations, rather than just G-code, allowing a job to be completed in the shortest time possible.