

THE FACTORY AUTOMATION COMPANY

FANUC

FANUC *i*HMI

Intelligent
human machine
interface



Get the most from your machine

- brand-new touch panel interface for 30j-B series
- built for high-precision machining and minimum cycle times
- superior performance for higher productivity
- new unrivalled HMI concept for all machines
- consistent shop floor support for planning, machining and improvement

Intuitive and extremely user-friendly

- brand-new touch panel interface
- flat design and ergonomically positioned keys
- easy setup of advanced control options

Newly designed hardware

- 10.4" / 15" / 19" / 21.5" panel sizes
- improved key touch
- resistant to cutting fluids

Seamless connectivity

- same dimensions as existing 30j-B series
- modular design and common mountings
- switches easily from old to new hardware



FANUC iHMI
Simple. Efficient. Intuitive.

FANUC iHM has been designed to be extremely easy to use. Intuitive menu icons, high-visibility design and animated features take the head-scratching out of complex machining operations, making accessing even the most sophisticated programs and functionalities straightforward. Despite its more intuitive layout, users will nevertheless find that it provides a familiar FANUC user experience.

Tool manager

Uniform tool information management for machine

- up to 100 tools with tool management option
- up to 1024 sets of tools with tool life management option
- up to 1000 tools when the CNC option is invalid
- tool catalogue data available for about 2000 tools
- VERICUT format (ITS file) CAM/simulation software is compatible with tool data

CNC operation screen

Easy operation along process flow with integration of three screens:

Graphical

- machining program list features icons

- graphic interface to set work coordinates
- easy-to-see load meters

Friendly

Help troubleshooting – one-stop problem-solving

- alarm occurs
- cause of alarm is shown
- advice on troubleshooting

Manual viewer

Always refer to the machine's manual

- add MTBs manuals and classify into an arbitrary group
- use multiform file formats (HTML, XML, PDF)
- display manuals according to NC language setting
- memory capacity for manuals is limited to 500 MB

Various cycles

- turning
- milling
- measurement

MT-LINKⁱ operation

management software

Cycle time estimation

Quickly estimate the execution time of an NC program

- high accuracy cycle time estimations
- all calculations consider real machine's acceleration/deceleration
- estimation for complex 5-axis machining programs
- enhanced processing time by optimizing programs
- decreased and reliable machine schedule planning
- Improve the utilization of your machines

Machine collision avoidance

Model, prevent interference and add to CNC before machining

- collision status can be confirmed graphically
- forecast positions for safe, precise collision detection
- based on CGTech Co's CAM Collision Avoidance Software
- maximum forecast time up to 6.00 msec.
- create 3D models of the machine on a PC

Servo viewer

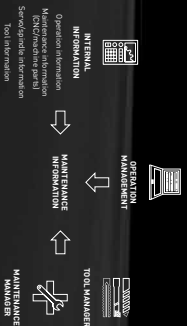
Measure and display various kinds of data

- servo and spindle data, e.g. position, speed and torque
- PMC data
- CNC status information, e.g. program number, M/S/T code's
- analyze the axis movement and CNC operation timing
- optimize the CNC program to reduce cycle times
- monitor the machine's condition by periodical measurements

Maintenance manager

Observe CNC and machine parts and set alert for exchange time

- specified by usage time, amount of movement, PWC, counter etc.
 - add a max. of 100 items as orig. monitoring item
 - min. 1 sec monitoring period
 - time savings of an hour or more
- easy to add original monitoring item and no traffication information



One common servo and control platform – Infinite opportunities **THAT'S FANUC!**



FA

CNCs,
Servo Motors
and Lasers

ROBOTS

Industrial Robots,
Accessories
and Software

ROBOCUT

CNC Wire-Cut
Electric Discharge
Machines

ROBODRILL

Compact
CNC Machining
Centres

ROBOSHOT

Electric CNC
Injection Moulding
Machines

ROBONANO

Ultra Precision
Machine