FANUC

FANUC *i*HMI

Intelligent
human machine
interface

Get the most from your machine

- brand-new touch panel interface for 30*i*-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 30*i*-B series
- modular design and common mountings
- switches easily from old to new hardware

FANUC *i*HMI
Simple. Efficient. Intuitive.

FANUC *i*HMI 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 1000 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 (TLS file) CAM/simulation software is compatible with tool data

MT-LINK*i* operation management software
MT-LINK*i* is a software suite that makes it easy for users to monitor machines and access real-time production data from the factory floor. Data, which is displayed graphically, can be viewed via Internet browser and used to improve maintainability and operational performance.

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
- decrease processing time by optimizing programs
- enhanced and reliable machine schedule planning
- Improve the utilization of your machines

CNC operation screen

Simple
Easy operation along process flow with integration of three screens:

Graphical
Intuitive icons and high-visibility design with animated features
- 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 is displayed
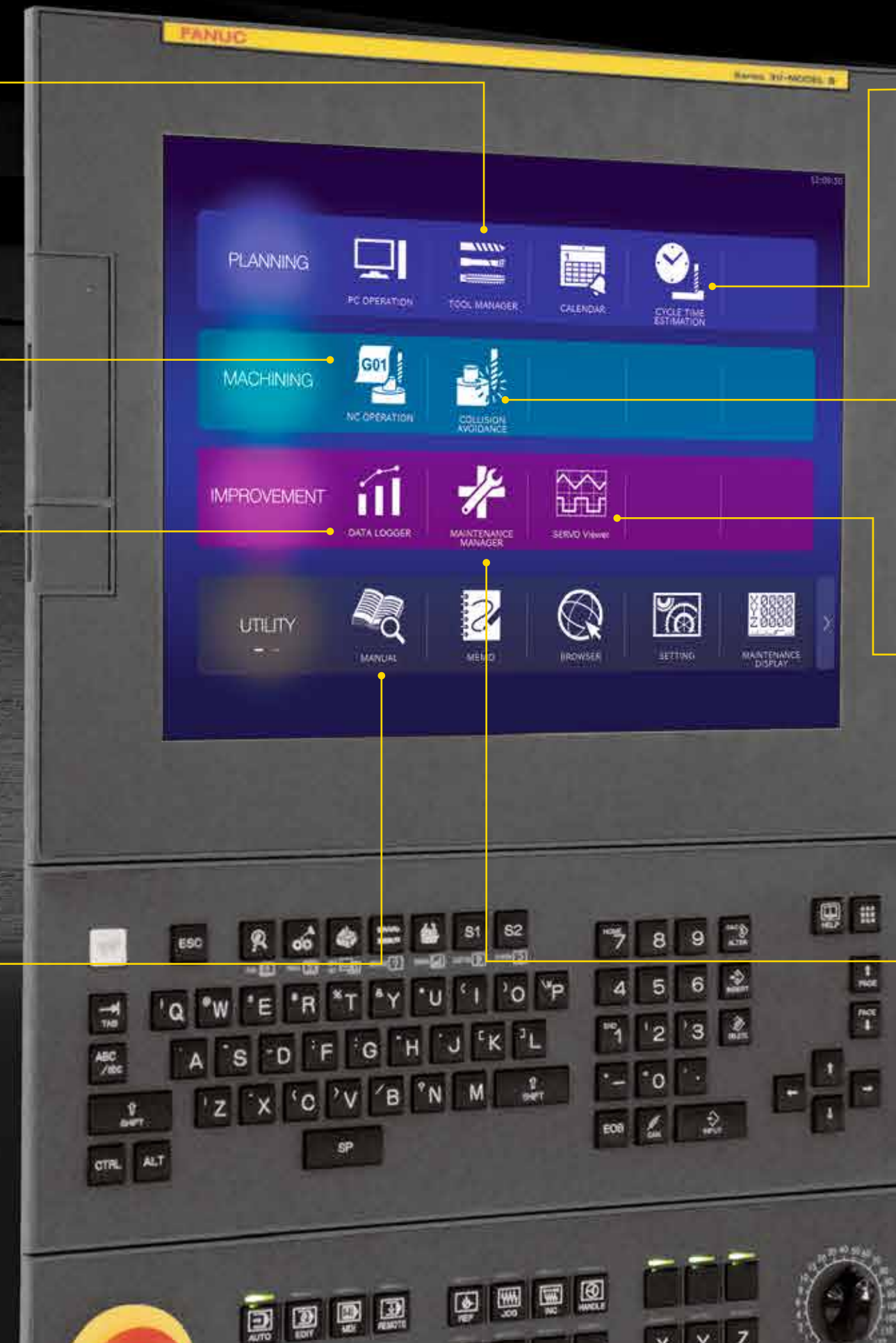
Data logger
Investigate cause of problem while machining
- amount of data per second under 64 KB
- data types:
  · position of axes
  · CNC status
  · PMC data
  · macro variable data
  · information of servo/spindle
  · operational information
  · alarm information etc.

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 CAS (Collision Avoidance Software)
- maximum forecast time up to 600 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 codes
- analyze the axis movement and CNC operation timing
- optimize the CNC program to reduce cycle times
- monitor the machine's condition by periodical measurements

Manual viewer
Always refer to the machine's manual
- add MTB's manuals and classify into an arbitrary group
- use multiform file formats (HTML,TXT, PDF)
- display manuals according to NC language setting
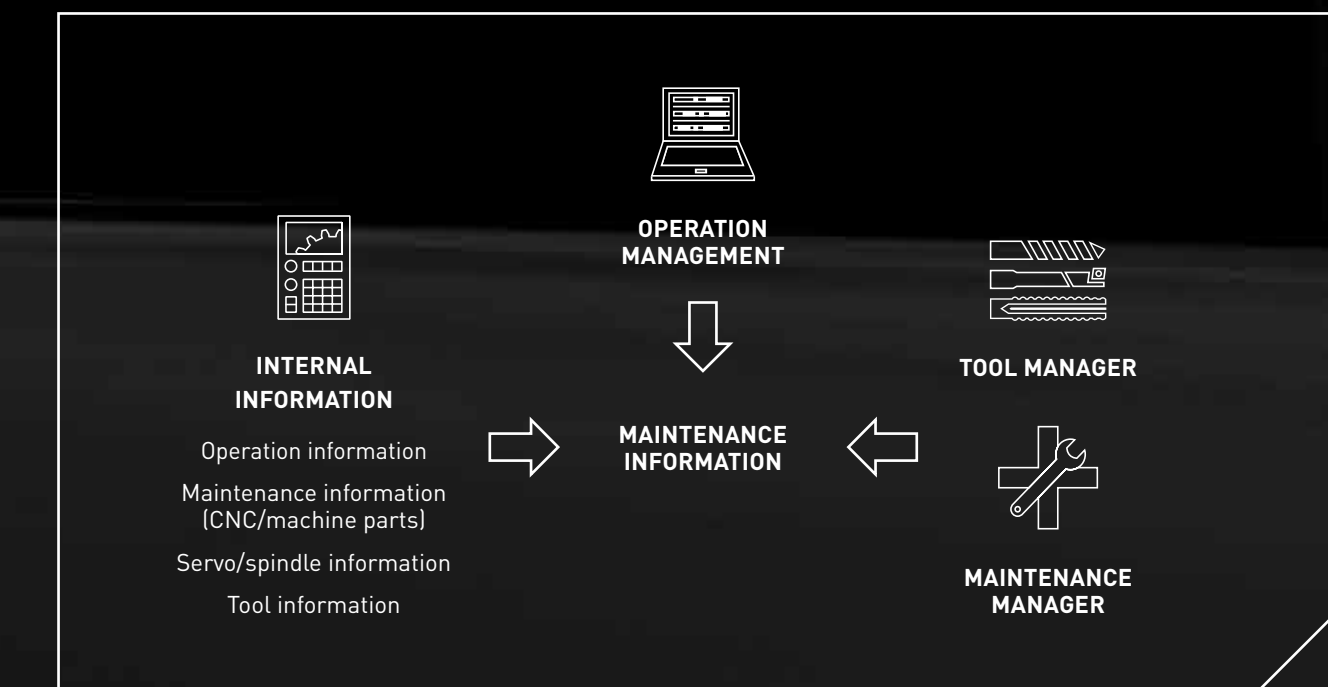- memory capacity for manuals is limited to 500 MB

Maintenance manager
Observe CNC and machine parts and set alert for exchange time
- specified by usage time, amount of movement, PMC 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 notification information

Various cycles
- turning
- milling
- measurement

INTERNAL INFORMATION
Operation information
Maintenance information (CNC/machine parts)
Servo/spindle information
Tool information

OPERATION MANAGEMENT

MAINTENANCE INFORMATION

MAINTENANCE MANAGER

TOOL MANAGER

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

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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

IoT
Industry 4.0
solutions

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