FANUC

NEW: FANUC 30i-B Plus series

High-end CNC for high productivity and high quality machining

60 years of CNC technology

NEW: FANUC 30*i*-B Plus series

High-performance CNC for complex machine tools

The FANUC Series 30*i*/31*i*/32*i*-MODEL B Plus controls are ideal for highly complex machines with multiple axes, multi-path, and high-speed high-precision machining requirements. The hardware and innovative software provide the highest performance, precision and surface quality. Increased SRAM memory allows more flexible configuration of optional functions and provides more memory for customization functions.

Essential functions as standard
• Custom Macro
• Tool functions
• Spindle functions
• Workpiece coordinate systems

Multi-function Ethernet as standard interface
Additional multi-function Ethernet port also available on standalone CNC, configurable for the following functions:
• Ethernet
• PROFINET IO
• EtherNet/IP
• Modbus/TCP
• FL-net

Customisation functions as standard
Customise your CNC with:
• Macro Executor
• C Language Executor
• FANUC PICTURE
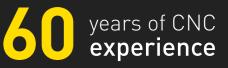(8 MB Memory for your customisation software)

Safety functions as standard
Functions that help you to avoid machine damage:
• Unexpected Disturbance Torque Detection
• Stored Limit Check Before Move
• Stored Stroke Check 2,3

Additional security functions
to help you prevent unauthorised access to the machine
• Key and Program Encryption
• Warning Function Against Modification of Setting
• Protection of Data at Eight Levels
• External Deceleration
• Spindle Speed Fluctuation Detection

Fast cycle-time technology
2% reduction in drill and tapping cycle

5-axis integrated technology
*i*HMI equipped measurement cycle

High quality machining
Thank to high-speed CPU
2 times program throughput,
improves smoothness of smooth tolerance+ control

NEW: Increased Memory
4 MB Part Program Storage Size
1000 registrable part programs

NEW: enhanced user interface and standardization of customize function
Creating screens with FANUC PICTURE improves machine tool operability

NEW: design display
Flat design. Abundant display lineup (10.4″, 15″, 19″, 21.5″)

Easy operation of robot from CNC
QSSR (Quick & Simple Startup of Robotization)

Easy connection with peripheral equipment
Multi-function Ethernet as standard.
Easy connection with various functions

Your benefits at a glance:

• cycle time reduction with fast cycle-time technology
• high quality machining with fine surface technology
• flat design and abundant display lineup
• increased SRAM memory
• improved usability of 5-axis machine tool
• enhanced user interface and standardisation of customise function
• easy operation of robot from CNC (QSSR)
• easy connection with peripheral equipment

60 years of CNC experience

NEW: FANUC PICTURE as a standard feature
Create custom screens tailored to your application

With FANUC PICTURE, you can easily create custom screens that are tailored to your application. A rich set of controls such as buttons, lamps and charts serve as building blocks for your user interface. The design of the controls is customisable: create your own recognisable look and feel for your user interface. You can add complex logic to your user interface with mruby, a powerful scripting language. **220 functions are available.**

FANUC PICTURE

Example of available functions:

- CNC/PMC data access
- Serial or Ethernet communication
- File input/output

Ethernet communication

Serial communication

File input/ output

CNC/PMC data input/output

Alarm information
PMC signal
etc.

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

WWW.FANUC.EU

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

MBR-04098-EN V1 - 05/2020