High-Reliability and High-Performance
Compact Machining Center

FANUC

ROBODRILL
α-D*i*B5ADV Plus series
Advanced version

High-Reliability and High-Performance Compact Machining Center

FANUC ROBODRILL α-D*i*B5ADV **Plus**

*1

α-D21M*i*B5ADV **Plus**
α-D14M*i*B5ADV **Plus**

X-axis stroke : 500 mm

*1

α-D21S*i*B5ADV **Plus**
α-D14S*i*B5ADV **Plus**

X-axis stroke : 300 mm

*1
*2

α-D21L*i*B5ADV **Plus**
α-D14L*i*B5ADV **Plus**

X-axis stroke : 700 mm

*1 Photo when **DDR*i*B** mounted
*2 Photo when front double doors option mounted

series Advanced version

High-Performance of Machining

Achieving high-productivity by high-speed, high-precision and high-power
Achieving high yield of workpiece by stable machining
Utilization in various areas by wide range of application

Minimizing Down Time

Achieving long operation life by high-reliability
Prevention of trouble by preventive maintenance function
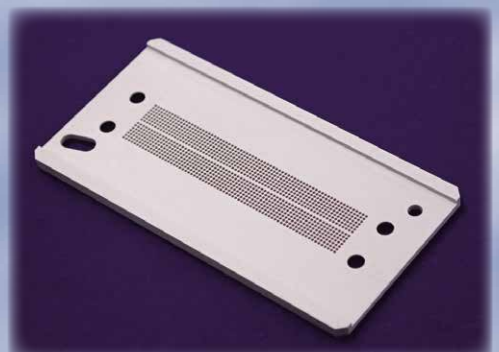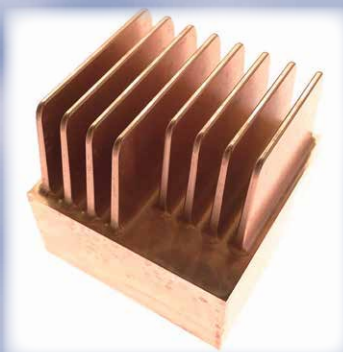Minimizing down time by high-maintainability

Ease of Use

Easy utilization of high function by excellent user-Interface
Easy operation of peripheral equipment by high-expandability
Realizing simple integration with FANUC Robot by automation support function

Features of α-D*i*B5ADV Plus series

Cycle time reduction

Further productivity enhancement by thoroughly eliminating dead-time

● Fast Cycle Time Technology
· The latest CNC of FANUC, **Series 31*i*-MODEL B5 Plus**
· Smart rigid tapping function
  Reducing time of tapping cycle by utilizing maximum output of spindle motor without losing accuracy
· Smart overlap function
  Overlapping command blocks between rapid traverse and cutting feed to avoid speed down at the transition

● Canned cycle for ROBODRILL
· Programming techniques of expert engineers to achieve fastest cycle time on ROBODRILL are functionalized
· Easy to reduce cycle time with exclusive G-codes

● Overlap of the ATC and table motion
· Achieving cycle time reduction by overlapping tool change motion and table positioning

● Tapping spindle (option)
· New spindle with high acceleration and low inertia, focusing on cycle time reduction in high cycle light machining of Aluminum

● High-speed SKIP interface
· Realizing high-speed and high-accuracy measurement with optional touch probe or tool measurement switch
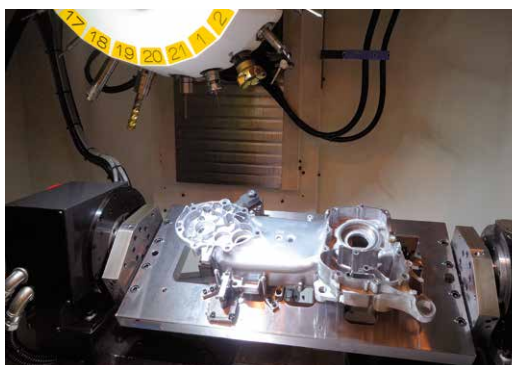
The latest CNC of FANUC

Tool change
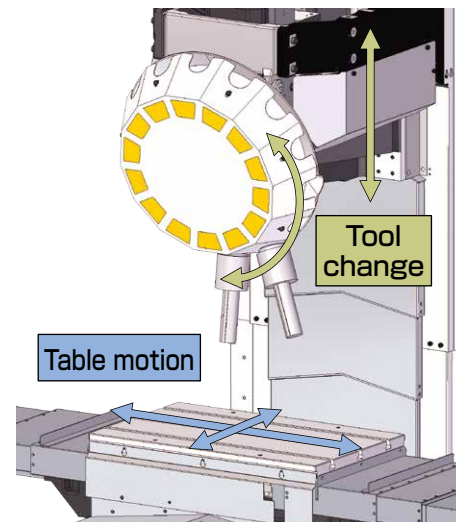
Table motion

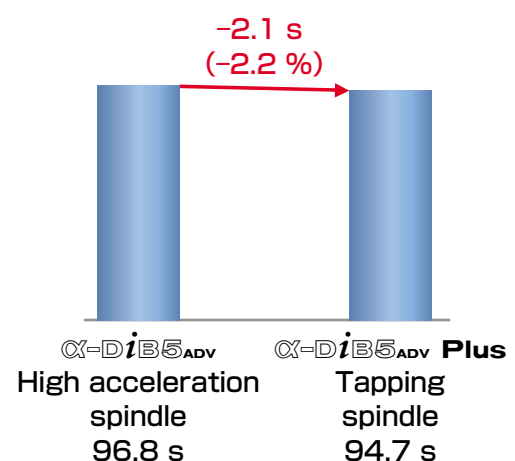Overlap of the ATC and table motion

Example of measurement with High-speed SKIP

Application example of cycle time reduction

Example of indexing application by
DDR-T*i*B

−2.1 s
(−2.2 %)

α-D*i*B5ADV
High acceleration spindle
96.8 s

α-D*i*B5ADV **Plus**
Tapping spindle
94.7 s

4

Expanding application range

● Expanding machining area
  ・Z-axis stroke expansion to 400mm improves approach to the machining point
  ・Less interference structure with the large fixture
● Table load capacity 400kg *
  ・Applicable to large fixture and workpiece
    * Max 200kg for α-D14SiB5ADV Plus/D21SiB5ADV Plus

● High column (option) *
  ・Column raising up to 400mm depending on fixture is available for wide range of application
    * Max 200mm for α-D14SiB5ADV Plus/D21SiB5ADV Plus

● Servo turret
  ・Max. tool weight 4kg enables larger cutting tool
  ・Tool change time reduction by 0.2s compared with standard version ROBODRILL

Range of axes travel

Max. fixture size
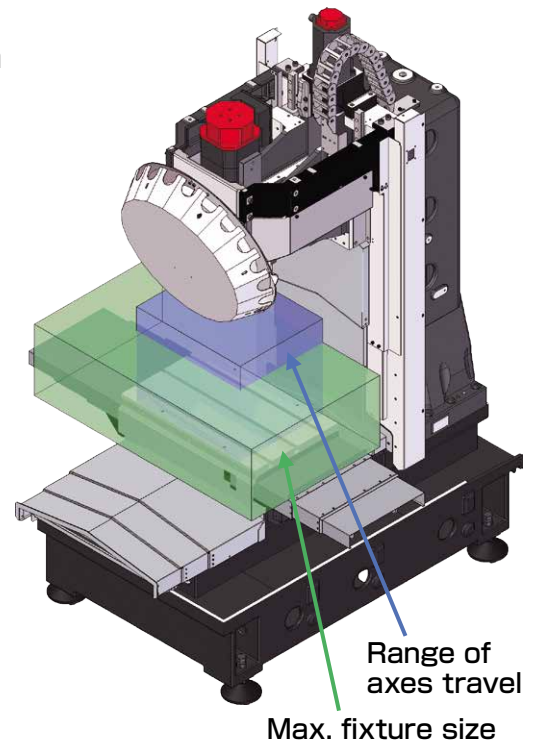
Excellent chip countermeasure

● Z-axis telescopic cover
  ・Higher durability by newly applying telescopic cover
  ・Compact design for less interference
● Y-axis front mountain-shaped telescopic cover *
  ・Smooth coolant flow improves chip evacuation
  ・Enhanced covering against chips and coolant
    * Except for α-D14SiB5ADV Plus/D21SiB5ADV Plus

● X-axis telescopic cover with 3 pieces *
  ・3 pieces cover is applied as standard
  ・Higher reliability by the improvement of structure
    * Except for α-D14SiB5ADV Plus/D21SiB5ADV Plus

Enhanced cover around spindle motor
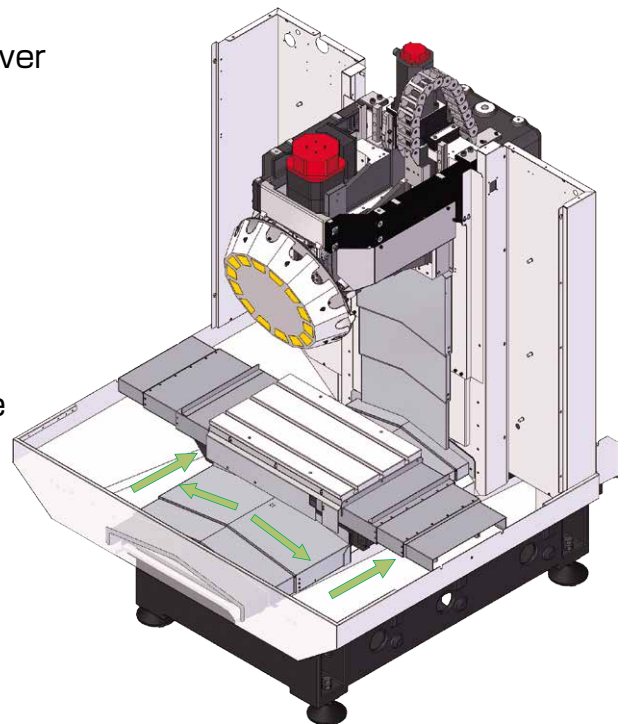
Telescopic covers are applied on all axes
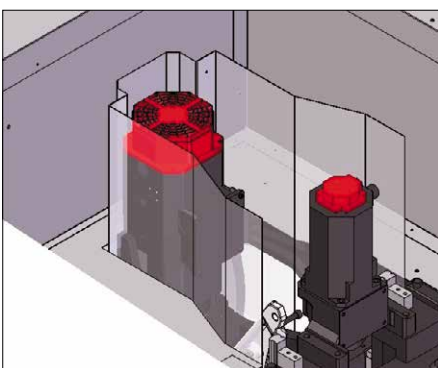
● Enhanced cover around spindle motor (option) *
  ・Certain separation of spindle mechanism from machining area protects intrusion of chips and coolant and achieves high sustainability
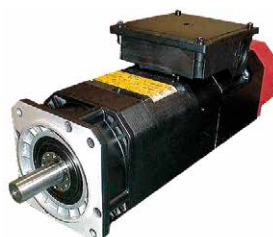   * Basic top cover (option) is necessary

High-Performance of Machining

Wide variety of high speed and high power spindle

● High power spindle
· High-rigidity machine structure and optimized combination of spindle unit and spindle motor enables excellent ability in milling in addition to the high speed drilling and tapping

High power spindle motor

● Optimum spindle selectable according to application

Spindle spec.	Max. speed	Application
Standard	10000 min⁻¹	Wide range of machining use
High torque		Heavy machining of steel parts (Max. 100N·m)
High acceleration		High speed and high efficiency machining of aluminum parts
Tapping	12000 min⁻¹	High cycle light machining of aluminum parts
High speed	24000 min⁻¹	High speed machining with small diameter tools

∗BBT30 (BIG PLUS) tool taper (option): Available for all spindle spec.
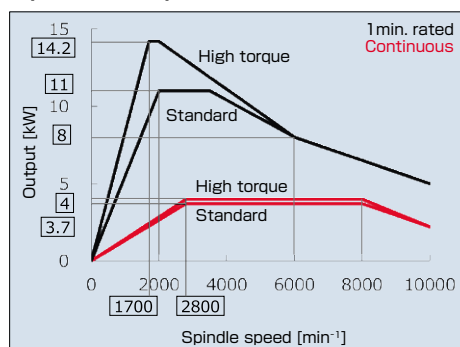∗Center through coolant spindle (option): Available for all spindle spec.
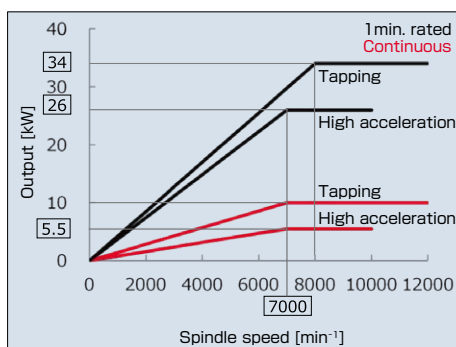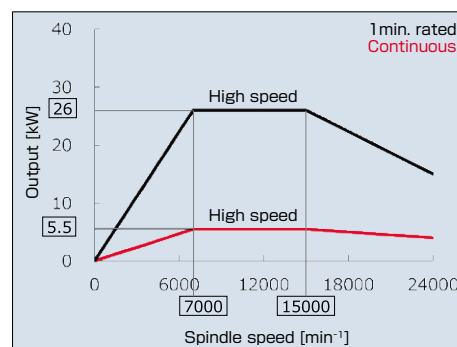 Withstand pressure 7MPa
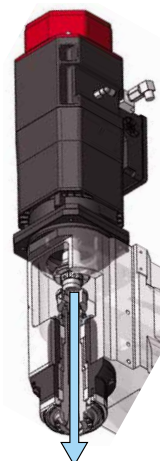
Center through spindle

Spindle output characteristic

Standard / High torque
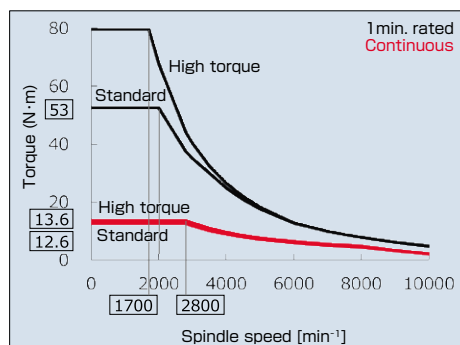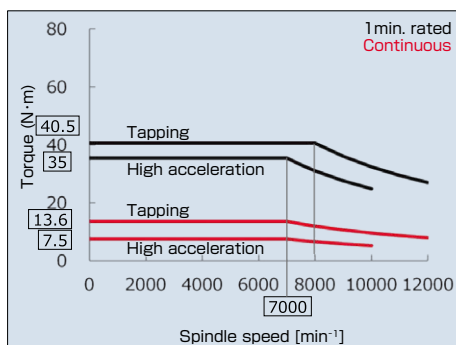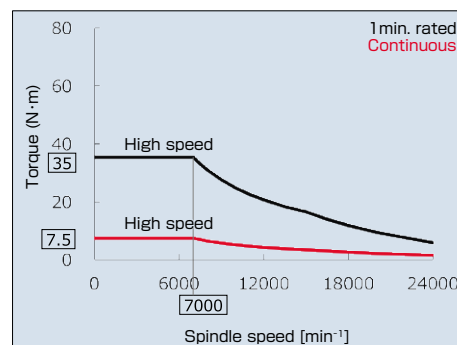
High acceleration / Tapping

High speed

Spindle torque characteristic

Standard / High torque

High acceleration / Tapping

High speed

∗Characteristics of High torque, High acceleration, and High speed spindles are for high power version

High-precision and fine surface machining

● Fine surface technology
- ・SERVO HRV+ control
  Achieving high responsiveness by optimized electrical control
- ・High-precision program command
  Machining programs with least unit 0.1 μm are executed exactly
- ・Smooth tolerance+ control
  Achieving fine surface by smoothing tool path with short line segments and reducing steps between adjacent paths

Further improvement of machining accuracy and surface quality by applying the latest CNC and Servo functions

OFF | ON
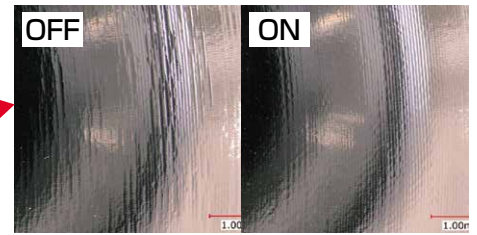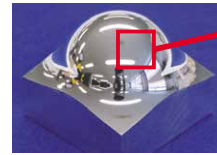
Example of high precision program command
* Program with least unit 0.1 μm

OFF | ON
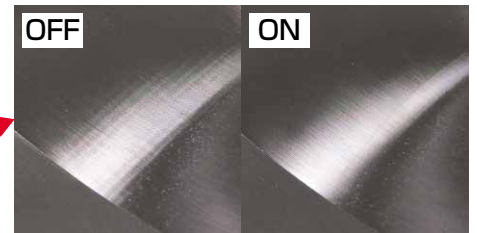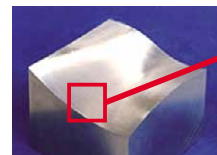
Example of smooth tolerance+ control
* Program with CAM tolerance 5 μm

Stable machining

● Thermal displacement compensation function
- ・Real time compensation by estimating the thermal displacement based on the operation status of the spindle and feed axes
- ・By using touch probe (option), compensation effect adjustment can be performed automatically from the measurement result.
● AI thermal displacement compensation function II (Option)
- ・Thermal displacement is estimated precisely with the temperature sensors equipped around spindle head and column.
- ・Stable compensation against temperature change between day and night or seasons.
- ・Even if some of sensors got trouble, sensor check function will keep proper compensation.

AI thermal displacement compensation

Machining Capability

Machining		Drilling Tool dia.(mm) x Feed(mm/rev)			Tapping Tap size x Tap pitch(mm)		
Material		S50C	FC200	ADC12	S50C	FC200	ADC12
Spindle spec.	Standard	Dia.30 x 0.10	Dia.30 x 0.25	Dia.32 x 0.35	M20 x 2.5	M27 x 3.0	M30 x 3.5
	High torque	Dia.30 x 0.15	Dia.30 x 0.30	Dia.32 x 0.40	M20 x 2.5	M27 x 3.0	M30 x 3.5
	Tapping	Dia.25 x 0.15		Dia.32 x 0.30	M18 x 2.5		M27 x 3.0
	High acceleration	Dia.20 x 0.10		Dia.22 x 0.25	M16 x 2.0		M24 x 3.0
	High speed	Dia.20 x 0.10		Dia.22 x 0.25	M16 x 2.0		M24 x 3.0

* These data may change by cutting tools or machining conditions.

Minimizing Down Time

High-reliability

● Endeavor to enhance reliability
・Reliability oriented product development under the slogan of "Reliable, Predictable, Easy to Repair"
・Promoting further improvement of reliability by FANUC's original reliability development method such as accelerated life test

● Reliability evaluation building
・Simultaneous multiple accelerated life tests are carried out in the vast experiment area
・Dedicated test rooms such as anechoic chamber, EMS test room, vibration test room, etc. are utilized for evaluation tests under various conditions

● Abundant track records at FANUC in-house factory
・More than 200 units of ROBODRILLs are working 24 hours at FANUC in-house factory for both steel and aluminum parts machining
・Achieving High-reliability by analyzing the operation and maintenance data and returning to ROBODRILL design
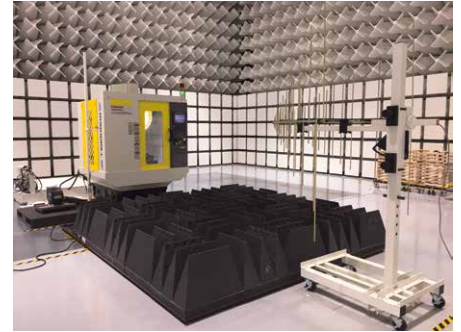
EMC test in anechoic chamber

FANUC in-house factory

ROBODRILL-LINK*i* (PC software)

● Operation condition monitoring system
・Real time display of the entire production area helps to understand the condition of each machine at once
・Supporting improvement of machine utilization by collecting each machine's information and displaying in the graph

● Easy introduction
・The system can be built with general PC and no server PC is required

● Useful tools for management of ROBODRILLs
・Collecting ROBODRILL's additional information such as periodical maintenance data, tool life, etc.
・Making Backup of machining program, parameter, etc.
・NC program can be transferred to multiple ROBODRILLs simultaneously

FANUC IoT
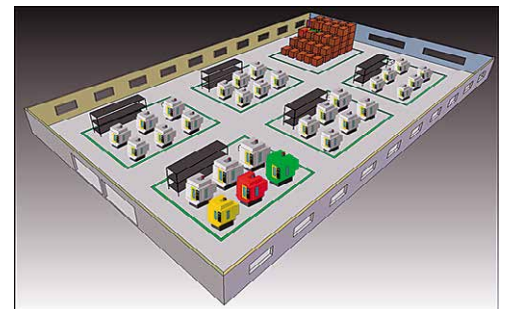
Condition overlook screen
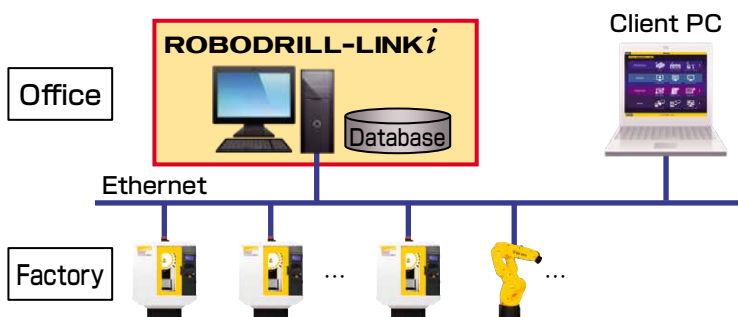
Connection example

Individual machine operation achievement

Complete preventive maintenance

● Maintenance information management
- ・ Monitoring the condition of maintenance items and announcing the abnormality or maintenance timing to support effective periodical maintenance
- ・ Maintenance items can be customized (up to 10)

● Leakage Detection Function
- ・ Early detection of insulation resistance drop of each motor and motor power cable
- ・ Enable preventive maintenance before breakdown

● Fan Monitor Function
- ・ Monitoring cooling fans of CNC, Servo Amplifiers, Spindle Amplifier and Power Supply
- ・ Announcing before failure when the rotation speed of the cooling fans is dropping
- ・ Easy to detect the abnormal fan
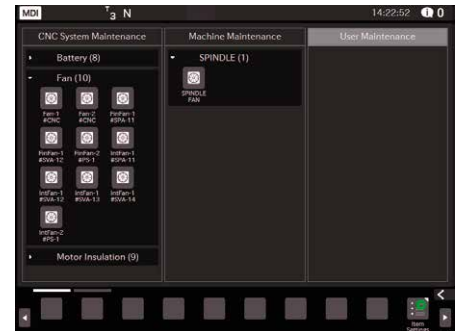
Maintenance information management screen

Fan monitor screen

High-maintainability

● Recovery guidance screens
- ・ Easy to recover the turret position, motor origin, etc. by following instructions in each screen in case of accident

● Improvement of maintainability for I/O device
- ・ Cause and point of the failure of I/O devices (disconnection, earth fault etc.) are identified by CNC

● Machine configuration to improve parts replacement
- ・ Cartridge type fan motor units realizes easy parts replacement

● Rechargeable battery unit (option)
- ・ Supplying backup power both CNC and Pulsecorder
- ・ Automatically recharged while ROBODRILL power ON and battery maintenance free
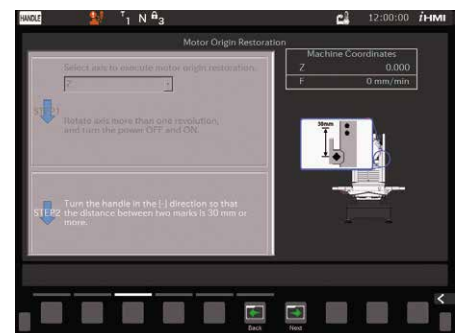
Motor origin restoration screen

Identify the failure cause and point

Failure occurs on I/O device

Charge

Rechargeable battery unit

Backup

Fan motor for CNC

Fan motor for Servo Amplifier

9
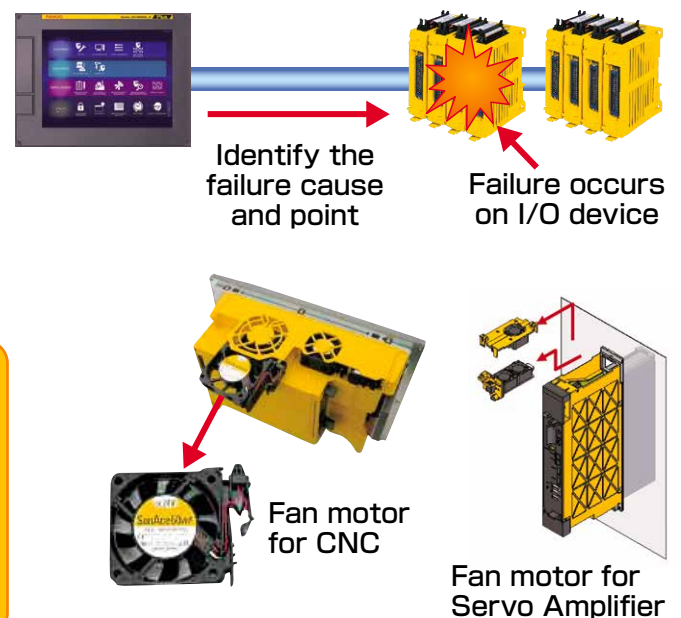
Ease of Use

High-usability

● Operator's panel with 10.4˝ Color LCD for *i*HMI
 ・ Intuitive and operable interface by *i*HMI
 ・ Seamless flat display unit with high resistance to coolant oil
 ・ Touch panel type display (option) is available
● Easy to operate from *i*HMI home screen
 ・ PLAN: Setup screens for optional devices, network setting, parameter management are gathered
 ・ MACHINING: Management of CNC program and robot operation are available
 ・ IMPROVEMENT: Management screens such as production counter, machining mode, thermal displacement compensation, etc. are gathered
 ・ UTILITY: Various useful functions of ROBODRILL are gathered
● Supporting PDCA cycle by *i*HMI CNC operation screen
 ・ A series of works from programming to machining are realized in one screen
 ・ Easy to make program through graphic guidance (*i*HMI Machining Cycle)
 ・ Easy to check program by machining simulation with 3D solid model
 ・ Various measurement cycles with touch probe are available (*i*HMI Set-up Guidance)

_i_HMI CNC operation screen

_i_HMI Machining Cycle
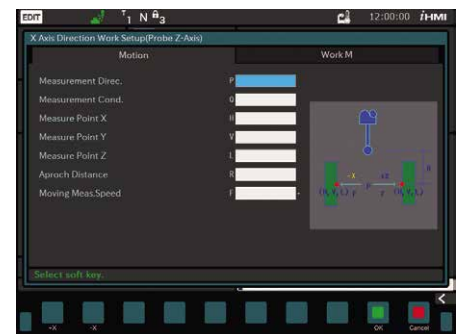
_i_HMI Set-up Guidance

Automation with Robot

● Robot interface 2 (option)
 ・ System start/stop, operation status check, robot manual operation, etc. are available on screen
 ・ Easy to connect Robodrill and robot by easy setting function
 ・ Safety function and less wires connection by FL-net
● **ROBODRILL** Robot Package (option)
 ・ Package of basic elements of robot system such as robot, robot base, automatic side door, consolidated connecting cable, Robot interface 2, sample programs of robot, etc.
 ・ Easy to setup robot system as Robodrill and robot are connected at delivery.

operation status screen


Robot manual operation screen


Application Example

High-expandability

● On-board multifunction Ethernet
・Fast Ethernet function is available for high-speed data transfer to network server, etc.
・Applying various network protocols using Ethernet cable such as FL-net, EtherNet/IP, PROFINET, Modbus/TCP

● External interface function
・General I/O signals such as external start are ready to use only by assigning in the screen
・Lighting conditions of signal lamps can be set on the screen

● Custom PMC function
・LADDER program to control peripheral devices can be created and monitored on screen
・Number of I/O signals can be expanded (Standard: Input 16 / Output 16, Max: Input 1024 / Output 1024)

● Custom PMC for DCS
・Safety I/O signals of peripherals can be connected (Input 12 / Output 8)
・Software safety circuit can be realized with duplicated signals

● Custom control panel
・On screen switches (ON/OFF or pulse) and indication lamps can be created to operate peripheral devices without integrating control panel hardware
・Flexible and cost saving solution for simple system integration

● Custom screen
・Up to 15 applications developed with FANUC PICTURE (PC software) can be registered
・Usable to control peripheral devices by linking Custom PMC function
・Various exclusive screens for peripheral devices are available

External interface function
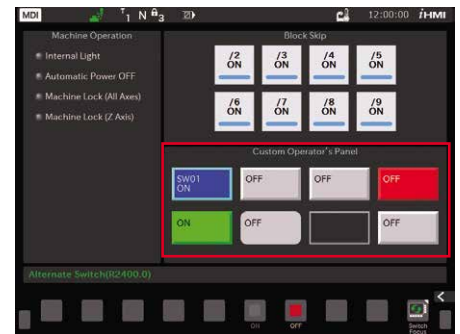
Custom control panel
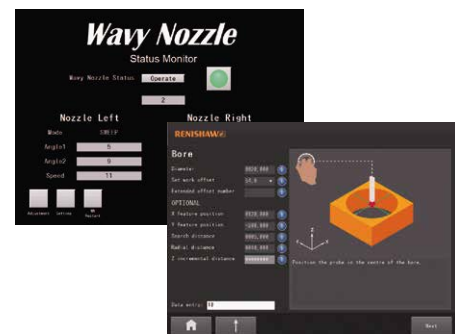
Custom screen examples

Technology for power saving

● Proven power regeneration function
・Power regeneration function that regenerates the energy at deceleration of motors has been adopted since 1994.
・Regenerated power is used at other equipment and contributes to reduce power consumption of entire factory

● Electric power consumption monitor
・Energy saving setting for Robodrill and option devices is available
    Automatic power off function
    Screen saver, illumination, coolant pumps, lubrication, and spindle air purge
    Energy saving mode of Servo system, rigid tapping*
・Energy saving effect can be confirmed by the consumption record

Electric power consumption monitor

*Limits motor output at acceleration/deceleration to reduce consumption. Cycle time becomes longer relatively

Options

FANUC ROBODRILL DDR*i*𝔹

- High-speed and high-precision additional 1-axis rotary table **DDR*i*𝔹**
  - Synchronous built-in servo motor and αiCZ sensor provide non-backlash, high-speed and high-precision machining
- Trunnion unit with **DDR*i*𝔹** and support spindle for quick setup of indexing fixture **DDR-T*i*𝔹**
  - Easy to setup fixture by making the best use of ROBODRILL's working space

  * For detailed information, please see the catalogue of **DDR*i*𝔹**, **DDR-T*i*𝔹**

Main options

Coolant unit (tank)

Coolant unit with chip flush (with oil gun)
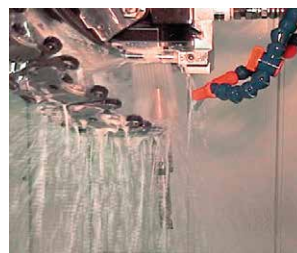
Cleaning unit for tool taper shank

Top cover

LED Illumination

Tool length switch for automatic measurement

Touch probe

Signal lamp

Automatic Oil Lubricating System

Automatic Grease Lubricating System (LHL Liquid Grease)

Portable manual pulse generator

Rechargeable battery unit

(Note)
- The machine life may be shortened depending on the workpiece, tool, coolant, or lubricant to be used.

Function list

Standard specifications

Control unit FANUC Series 31i-B5 Plus	Dual check safety
Simultaneously controlled axes (Max. 5 axes)	Smart Trouble Shooting Function
Multi-function Ethernet*1	Leakage Detection Function
Control unit incorporated type display unit with 10.4″ color LCD*2	Backup function for power failure (quick stop funcion)
PCMCIA memory card port	Smart rigid tapping
USB port (USB2.0)	Spindle Smart Load Meter
Part program storage size 4Mbyte	AI contour control Ⅰ
Number of registerable programs 1000	HRV control
Addition of workpiece coordinate system 48 pairs	Rapid traverse block overlap
Tool offset pairs 200-pairs	Helical interpolation
Tool life management	Coordinate system rotation
Production control counter	Tool offset
iHMI Set-up Guidance (MANUAL GUIDE i on iHMI)	Multi-step skip
Machining Mode Setting	High-speed skip
Thermal displacement compensation function	Custom macro
Custom PMC	Interruption type custom macro

Mechanical Option   (Note) Some options are not applicable depending on machine model and configurations.

High torque spindle 10,000min^{-1}, High acceleration spindle 10,000min^{-1}	Additional 1 axis rotary table DDRiB/DDR-TiB
Tapping spindle 12,000min^{-1}, High speed spindle 24,000min^{-1}	Rotary joint for DDRiB/Tail support (Standard type)
Low vibration High speed spindle 24,000min^{-1}	Rotary joint for DDRiB/Tail support (High pressure type)
High power version spindle	Adjustment of center height, Adjustment of shaft length, End plate (for DDRiB)
Double contact tooling (BBT30/NBT30)	Coolant unit (Tank capacity : 100/200/140*4 L)
Center through spindle (7MPa)	Coolant unit for center through coolant (Tank capacity : 240/200*4 L)
High column 100/200/300/400mm*3	Coolant unit with chip flush (with oil gun)
Splashguard wide opening door : 730mm (α-D14MiB5ADV Plus/D21MiB5ADV Plus)	Cleaning unit for tool taper shank
Splashguard wide opening door : 1100mm (α-D14LiB5ADV Plus/D21LiB5ADV Plus)	Excellent chip evacuation
Automatic front door opening/closing of splashguard	Air blow for chips
Automatic side door of splashguard (right/left)	Grip cover
Splashguard glass window (lattice and small size window)	Automatic oil lubricating/Automatic grease lubricating
Basic top cover of splashguard/Full-closed cover of splashguard	Illumination (LED)
Color specification	Signal lamp (3 lamps)
	Tool length switch
	Touch probe

Electric Option   (Note) Some options are not applicable depending on machine model and configurations.

Additional controlled 1 axis (Simultaneously controlled 4 axes)	CNC with touch panel LCD
Additional controlled 2 axes (Simultaneously controlled 5 axes)	Network adapter (DeviceNet, PROFIBUS-DP, CC-Link)
Conformity to safety standards for EU (CE), China (GB), Korea(KCs), Australia (RCM), and Brazil (NR-12)	Fast data server (with Compact Flash Memory 4GB)
	ROBOT INTERFACE 2
Automatic breaker shutdown	Portable MPG (with ESP switch)
Power cable (length : 5/12/3*5 m)	RS-232C port
Mounting plate for options	Rechargeable battery unit
Various additional I/O unit	

Software Option   (Note) Some options are not applicable depending on machine model and configurations.

AI thermal displacement compensation Ⅱ	AI contour control Ⅱ
AI tool monitoring	High-speed processing
Part program storage size 8Mbyte	Look-ahead blocks expansion (1000 blocks)
Number of registerable programs 4000	Smooth tolerance⁺ control
Addition of workpiece coordinate system 300 pairs	NURBUS interpolation
Tool management function (1000 pairs)	High-speed smooth TCP
3D interference check	Work setting error compensation
Single direction positioning	3-dimensional cutter compensation
Conical/spiral interpolation	3-dimensional coordinate conversion
Involute interpolation	Tilted working plane indexing command
Cylindrical interpolation	Punch tapping function
Polar coordinate command	Smart spindle load control
Scaling	Quick progtram restart
Programmable mirror image	

PC Software

ROBODRILL-LINKi	FANUC LADDER-Ⅲ
ROBODRILL-CNCGuide	FANUC PICTURE
FANUC SERVO VIEWER	Program transfer tool

*1 Fast Ethernet is embedded on CNC main board. Available network functions: FL-net, Ethernet/IP, PROFINET IO, Modbus/TCP
*2 The color LCD screen may have a few missing or constantly lit pixels.
*3 Max.200mm for α-D14SiB5ADV Plus/D21SiB5ADV Plus
*4 In case of α-D14SiB5ADV Plus/D21SiB5ADV Plus
*5 In case of the compliance with safety reguration (for EU or China)

Specification

Item	α-D21S*i*B5ADV **Plus** α-D14S*i*B5ADV **Plus**	α-D21M*i*B5ADV **Plus** α-D14M*i*B5ADV **Plus**	α-D21L*i*B5ADV **Plus** α-D14L*i*B5ADV **Plus**
Machine (Standard)			
Capacity — X-axis travel (longitudinal movement of table)	300 mm	500 mm	700 mm
Y-axis travel (cross movement of saddle)	300 mm + 100 mm	400 mm	
Z-axis travel (vertical movement of spindle head)	400 mm		
Distance from table surface to spindle gage plane	80 mm to 480 mm (when no high column is specified)		
Table — Working space (X-axis×Y-axis)	630 mm×330 mm	650 mm×400 mm	850 mm×410 mm
Capacity of workpiece mass	200 kg (uniform load)	400 kg (uniform load)	
Spindle — Speed range	100 min⁻¹ to 10000 min⁻¹ 100 min⁻¹ to 12000 min⁻¹ / 240 min⁻¹ to 24000 min⁻¹ (option)		
Spindle gauge (Call number) *1	7/24 taper No.30 (with air blow)		
Feedrate — Rapid traverse rate	54 m/min (X, Y, Z)		
Feedrate	1 mm/min to 30000 mm/min		
Turret — Type of tooling / Type of pull stud bolt	JIS B 6339-2 No.30 / MAS 403-1982 P30T-1 (45°) *2		
Tool storage capacity	21 tools : α-D21S*i*B5ADV Plus/D21M*i*B5ADV Plus/D21L*i*B5ADV Plus 14 tools : α-D14S*i*B5ADV Plus/D14M*i*B5ADV Plus/D14L*i*B5ADV Plus		
Maximum tool diameter	80 mm		
Maximum tool length	200 mm (changes by specifications)	250 mm	
Maximum tool mass	2 kg/tool (total mass 23 kg) / 3 kg/tool (total mass 33 kg) / 4 kg/tool (total mass 46 kg) : 21 tools 2 kg/tool (total mass 15 kg) / 3 kg/tool (total mass 22 kg) / 4 kg/tool (total mass 30 kg) : 14 tools		
Tool changing time (Tool to Tool) (Cut to Cut)	0.7 s (2 kg/tool) / 0.9 s (3 kg/tool) / 1.1 s (4 kg/tool) 1.3 s (2 kg/tool) / 1.5 s (3 kg/tool) / 1.7 s (4 kg/tool)		
Motors — Spindle drive motor	11.0 kW (1minute rating) / 3.7 kW(continuous rating) (changes by specifications)		
Accuracy *3 — Bidirectional accuracy of positioning of an axis	Less than 0.006 mm (ISO230-2:1988)		
Bidirectional repeatability of positioning of an axis	Less than 0.004 mm (ISO230-2:1997,2006)		
Sound pressure level	Less than 70 dB *4		
Control unit	**FANUC Series 31*i*-B5 Plus** (Simultaneously controlled axes: Max.5 axes)		
Installations (note) Please make sure to comply with installation conditions specified by FANUC when installing ROBODRILL *5			
Power source — Power supply	200 Va.c. to 220 Va.c., −15 % to +10 %, 3-phase, 50 Hz±1 Hz or 60 Hz±1 Hz Standard/High torque: 9kVA, High torque (High power version): 9.5kVA, High acceleration/High speed: 10kVA, High acceleration/High speed (High power version): 11.5kVA, Tapping: 18kVA *6		
Compressed air supply	0.35 MPa to 0.55 MPa (0.5 MPa is recommend) (gage pressure), 0.16 m³ /min (at atmospheric pressure) *7		
Machine size — Machine height	2236 mm ± 10 mm (when no high column is specified)		
Floor space	995 mm×2220 mm	1615 mm×2050 mm	2165 mm×2050 mm
Mass of machine	Approx. 2200 kg	Approx. 2250 kg	Approx. 2350 kg

*1 Spindle gauge does not conform to ISO 9270:1992, ISO 9270-1:2010 or ISO 9270-2:2010.
*2 In case of using center through coolant, please apply suitable pull stud bolt for Robodrill of each tooling supplier.
*3 Positioning accuracy is the adjusted and measured value in compliance with applicable standard at FANUC's factory. Depending on an influence of JIG & workpiece mass on table, the use conditions and installation environment, there may be a case where the accuracy shown in this catalog can not be achieved.
*4 Sound pressure level is measured in compliance with FANUC's own regulation. Depending on the use conditions and installation environment, there may be a case where the sound pressure level shown in this catalog can not be achieved.
*5 Fastening the machine to the floor (mounting anchors) may be required depending on the use conditions and installation environment, or to prevent the machine from toppling over due to an earthquake.
*6 When peripherals such as coolant unit or rotary table are added, additional power is required. Please contact FANUC for detail. A cable with 10 mm² or more should be used at primary power connection.
*7 In case of center through coolant, additional + 0.05 m³/min is required. In case of air blow for chips, additional + 0.2 m³/min is required. In case of side automatic door, 0.4 MPa compressed air supply or more is required.
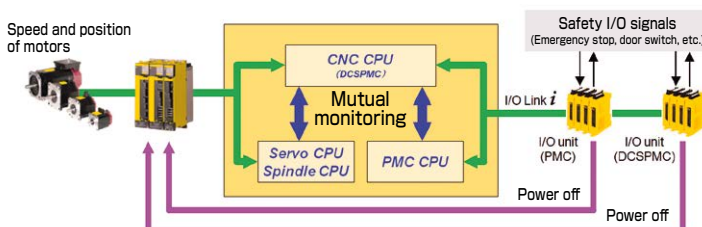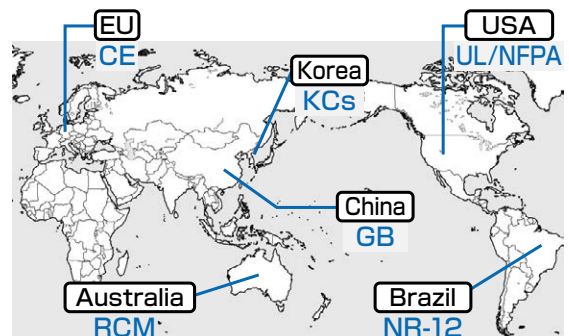
Conformity of safety standards

●Dual check safety
· Securing operators by duplicating safety I/O signals such as emergency stop and door switch
●Safe torque off (STO) function
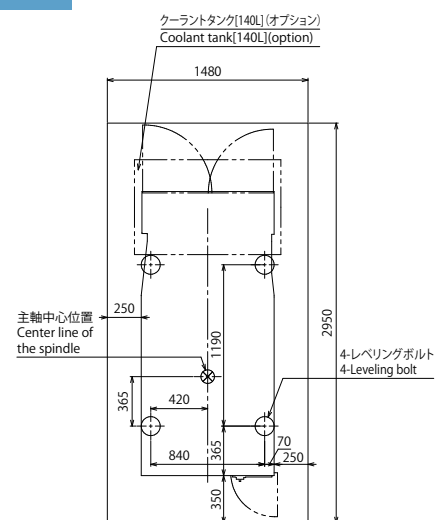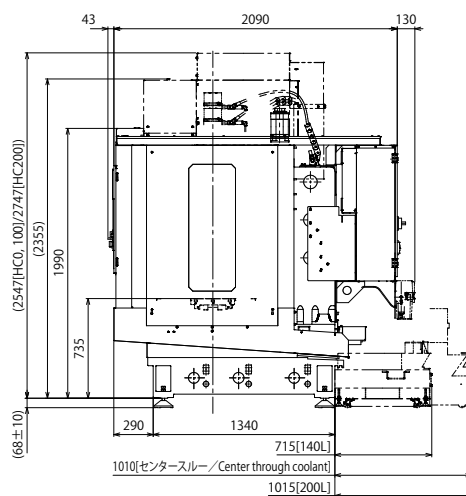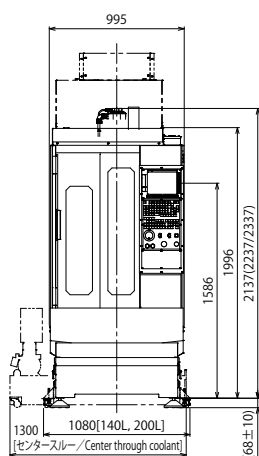· Power between motors and amplifiers are certainly stopped by using safe torque signal

● Conformity of major safety standards (option)
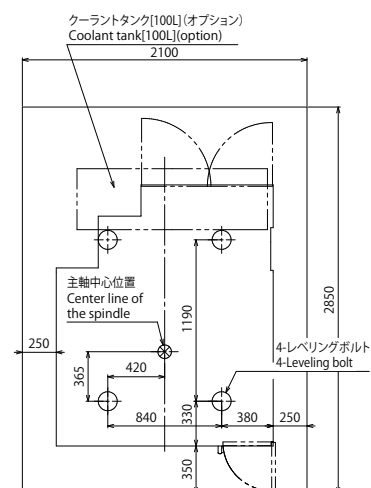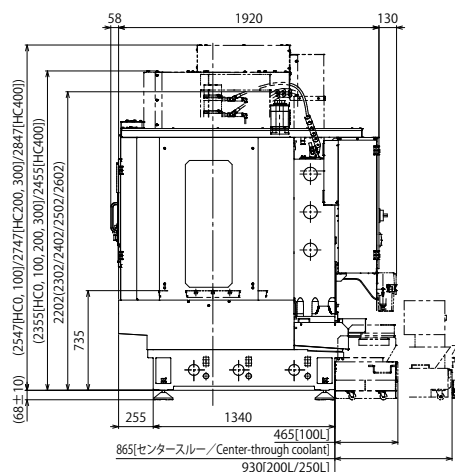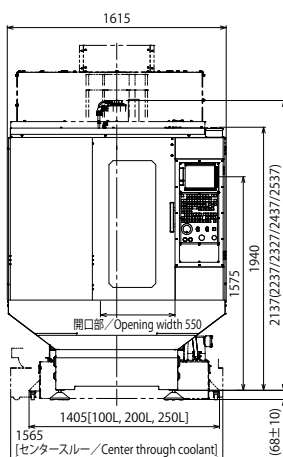
Outer Dimensions and Floor Plan
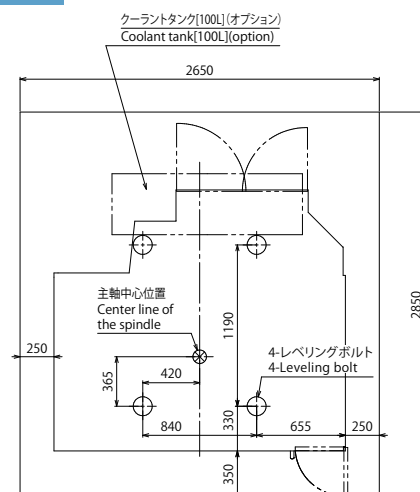
α-D21Si B5ADV Plus/D14Si B5ADV Plus *1

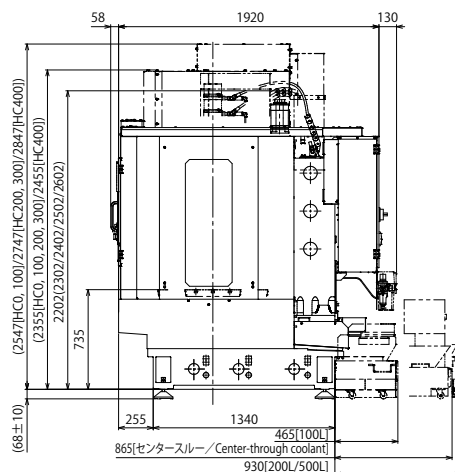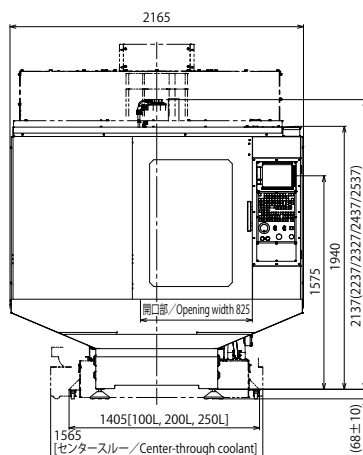## α-D21Mi B5ADV Plus/D14Mi B5ADV Plus *1

α-D21Li B5ADV Plus/D14Li B5ADV Plus *1

*1 These dimensions may vary on some options. (For further details, please contact FANUC.)

Service & Support

Excellent Maintenance Services

FANUC service team delivers customer trust and confidence based on direction of service "Maximizing Uptime", "Global Service" and "Lifetime maintenance".

Service First

Conforming to the spirit of "Service First", FANUC provides lifetime maintenance to its products for as long as they are used by customers, through more than 260 service locations supporting more than 100 countries and regions throughout the world.

Maximizing Uptime

Global Service

Lifetime Maintenance

FANUC ACADEMY

FANUC ACADEMY operates training programs on FANUC ROBODRILL which focus on practical operations and programming with machining know-how and maintenance.

Lifetime maintenance

FANUC offers lifetime maintenance, where FANUC's products will be serviced as long as they are used by customers.
The motors, PCBs or any units of even over thirty years old can be repaired and recovered.
To perform lifetime maintenance, FANUC stocks enough amount of discontinued spare parts and even redesigns units when spare parts have run out.

Lifetime Maintenance

CRT

LCD

TAPE CENTER-MODEL D
(1978~1986)
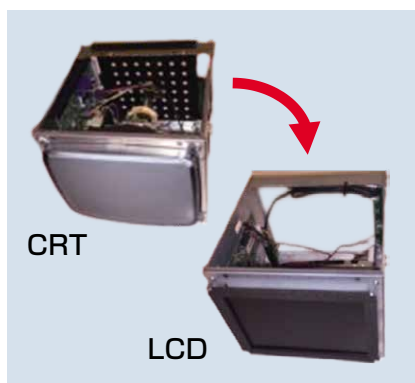
Redesign of CRT display

FANUC Repair factory

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