



## **Providing Information of Data regarding “Connected Product”**

FANUC CORPORATION provides the following information regarding data related to ROBOSHOT.

For information on each data, refer to the file below (hereafter referred to as the data list). 「Materials for Providing Information\_Annex\_CNC,Power Motion」 「Materials for Providing Information\_Annex」

### **1. Type, format and estimated volume of product data**

- Type: Refer to the data list.
- Format: Refer to the data list.
- Estimated volume: Refer to the data list.

### **2. Frequency of product data generation**

The frequency of generation varies depending on the data. Refer to the data list.

### **3. Product data storage location**

The storage location varies depending on the data. Refer to the data list.

### **4. Methods for accessing, obtaining, or deleting product data**

The methods for accessing, obtaining, and deleting data vary depending on the data. Refer to the data list.

Connected Product Name	(1)Product data				(2)Frequency of product data generation (whether data can be generated continuously and in real time)	(3)Whether data is stored on your device or on a remote server	(4)Methods for accessing, obtaining, or deleting product data		
	Type	Data name	Format	Estimated volume					
FANUC Series 30i-MODEL B FANUC Series 30i-MODEL B Plus FANUC Series 31i-MODEL B FANUC Series 31i-MODEL B Plus FANUC Series 31i-MODEL B5 FANUC Series 31i-MODEL B5 Plus FANUC Series 32i-MODEL B FANUC Series 32i-MODEL B Plus FANUC Series 35i-MODEL B	CNC composition	Software, Hardware series/edition number	text file	1.2 Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
FANUC Series 30i-LB FANUC Series 30i-LB Plus FANUC Series 30i-PB FANUC Series 31i-LB FANUC Series 31i-LB Plus FANUC Series 31i-PB FANUC Series 31i-PB Plus FANUC Series 31i-WB	CNC status	Actual power consumption	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (power consumption monitor screen)		
		Executing program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen		
		Operating status*2	string	10 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen		
		Main program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen		
	CNC axis status	Total power-on time	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)		
		Fan speed of CNC	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1002, 1003, 1490, 1491		
		Fan status of CNC	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1495, 1496		
		Absolute coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
		Actual power consumption of the axis	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (power consumption monitor screen)		
		Axis load	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operating monitor screen)		
FANUC Series 0i-MF FANUC Series 0i-MF Plus FANUC Series 0i-TF FANUC Series 0i-TF Plus FANUC Series 0i-PF FANUC Series 0i-PF Plus FANUC Series 0i-LF Plus	CNC path status *2	Insulation resistance value of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1701(axis) , 1703(main axis)		
		Deterioration status of insulation resistance of the axis	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1700(axis) , 1701(main axis)		
		Machine coordinates of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
		Relative coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
		Rotational speed of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
		Axis motor temperature	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 308(axis) , 403(main axis)		
		FANUC Power Motion i-A Plus FANUC Power Motion i-MODEL A  FANUC Digital Servo Adapter-MODEL B	CNC path status *2	B code*1	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
				F code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
				G code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
				H code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
M code	number			4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)		
Running program name of the path	string			32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)		
Actual rotation speed of the path	number			4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
S code	number			4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)		
T code	number			4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)		
Cutting time of the path	number			4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)		
Alarm information	Alarm message	Actual feedrate of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
		Machine lock signal of the path	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)		
	Operator message *2	Program running time of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)		
		Number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)		
	Setting	Main program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen		
		Sequence number of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)		
		Total number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)		
		Alarm message	string	64 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (alarm screen)		
		Alarm numbe	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (alarm screen)		
		Alarm type	string	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (alarm screen)		
Program*2	Operator message	string	128 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)			
	Message number	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)			
Maintenance	Program	Program	text file	~32Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Tool offset*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
	Setting	Workpiece origin offset amount*2	text file	~10Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Pitch error compensation*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		3D error compensation*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Custom macro variables*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Tool life management*1,*2	text file	~10Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Tool management*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Tool geometry and dimensions*1,*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
		Parameters	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		
History	Operation history	text file	~300 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)			
	Alarm history	text file	~300 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)			
PMC	Operator message history*2	text file	~300 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)			
	Regular maintenance	text file	~1 Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)			
CNC identification number	PMC	PMC signal	number	~256 Kbyte	Dynamic information, always up-to-date	Not Possible	·Check on the CNC screen (Signal status screen)		
		CNC identification number	text file	1Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)		

\*1:FANUC Power Motion i-A Plus and\*2:FANUC Power Motion i-MODEL A are not supported.

\*2:FANUC Digital Servo Adapter-MODEL B are not supported.

Connected Product Name	(1)Product data				(2)Frequency of product data generation (whether data can be generated continuously and in real time)	(3)Whether data is stored on your device or on a remote server	(4)Methods for accessing, obtaining, or deleting product data
	Type	Data name	Format	Estimated volume			
FANUC Series 501i-A FANUC Series 501iS-A FANUC Series 502i-A FANUC Series 502iS-A FANUC Series 503i-A	CNC composition	Software, Hardware series/edition number	text file	1.2 Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
	CNC status	Executing program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Operating status*2	string	10 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen
		Main program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Total power-on time	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Fan speed of CNC	number	16 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (diagnosis screen) •Diagnosis number : 1002, 1003, 1490, 1491
		Fan status of CNC	number	2 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (diagnosis screen) •Diagnosis number : 1495, 1496
	CNC axis status	Absolute coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Actual power consumption of the axis	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (power consumption monitor screen)
		Axis load	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Insulation resistance value of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (diagnosis screen) •Diagnosis number : 1701(axis) , 1703(main axis)
		Deterioration status of insulation resistance of the axis	number	1 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (diagnosis screen) •Diagnosis number : 1700(axis) , 1701(main axis)
		Machine coordinates of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Relative coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Rotational speed of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
	CNC path status *2	Axis motor temperature	number	1 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (diagnosis screen) •Diagnosis number : 308(axis) , 403(main axis)
		B code*1	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		F code	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		G code	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		H code	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		M code	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Running program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Actual rotation speed of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		S code	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		T code	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Cutting time of the path	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Actual feedrate of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Machine lock signal of the path	string	1 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Program running time of the path	number	8 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Main program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Sequence number of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
		Total number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (operation screen)
	Alarm information	Alarm message	string	512 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (message screen)
		Alarm numbe	number	2 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (message screen)
		Alarm type	string	2 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (message screen)
	Operator message *2	Operator message	string	512 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (message screen)
		Message number	number	2 byte	Dynamic information, always up-to-date	Not possible	•Check on the CNC screen (message screen)
	Program*2	Program	text file	~32Mbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
	Setting	Tool offset*2	text file	~100Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Workpiece origin offset amount*2	text file	~10Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Pitch error compensation*2	text file	~100Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		3D error compensation*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Custom macro variables*2	text file	~100Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Tool life management*1,*2	text file	~10Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Tool management*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Tool geometry and dimensions*1,*2	text file	~100Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		CNC built-in 3D interference check geometry	text file	~100Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Parameters	text file	~1Mbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
	History	Operation history	text file	~450 K byte	Dynamic information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Alarm history	text file	~450 K byte	Dynamic information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
		Operator message history*2	text file	~450 K byte	Dynamic information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)
	PMC	PMC signal	number	~768 Kbyte	Dynamic information, always up-to-date	Not Possible	•Check on the CNC screen (PMC status screen)
	CNC identification number	CNC identification number	text file	1Kbyte	Static information, always up-to-date	Possible	•Output on the CNC screen (data input/output screen)

\*1:FANUC Power Motion i-A Plus and\*2:FANUC Power Motion i-MODEL A are not supported.

\*2:FANUC Digital Servo Adapter-MODEL B are not supported.

Connected product name	① Product Data				② Frequency of generation (continuous and real-time data generation capability)	③ Capability to store data on the device or remote server	④ Methods for accessing, acquiring, (if applicable) deleting data	Related materials
	Classification	Data Name	Format	Estimated quantity [Byte]				
ROBOSHOT α-SIB series ROBOSHOT SC series ROBOSHOT SI-A series	Molding conditions	Mold file	Binary data	102000	Not available	Yes	File output to I/O devices from the mold file screen	FANUC ROBOSHOT α-SIB series operator's manual B-69804
		Molding conditions (list)	Text file	10000	Not available	Yes	File output to I/O devices via function buttons	
		Molding conditions (screen image)	Image File	100000	Not available	Yes	File output to I/O devices via function buttons	
Machine status (current)	Mold file name	Displayed string	80	Yes	Not available	Check at the top of the screen		
	Operator name	Displayed string	32	Yes	Not available	Check at the top of the screen		
	Cycle status	Displayed icon	24000	Yes	Not available	Check at the top of the screen		
	Resin melting status	Displayed icon	4000	Yes	Not available	Check at the top of the screen		
	Heater status	Displayed icon	8000	Yes	Not available	Check at the top of the screen		
	Machine status	Displayed icon	80000	Yes	Not available	Check at the top of the screen		
	Warning	Displayed icon	32000	Yes	Not available	Check at the top of the screen		
	Alarm	Displayed string	25200	Yes	Not available	Check on the Alarm Screen		
	Diagnosis	Displayed string	356000	Yes	Not available	Check on the Self-Diagnosis Screen		
	Ejector load	Displayed number	2	Yes	Not available	Check on servo diagnostics screen		
	Injection pressure	Displayed number	2	Yes	Not available	Check on the Current Value Screen		
	Clamp force	Displayed number	2	Yes	Not available	Check on the Current Value Screen		
	Current value of analog input data	Displayed number	38	Yes	Not available	Check on the analog input screen		
	Nozzle/barrel temperature	Displayed number	16	Yes	Not available	Check on the Temperature Screen		
	Mold temperature	Displayed number	16	Yes	Not available	Check on the Temperature Screen		
	Current values of the temperature controller (temperature to process, temperature from process, pressure to process, pressure from process, pressure differential, flow rate, status)	Displayed number	56	Yes	Not available	Check on the peripheral device communication screen		
	Dryer current values (temperature to process, status)	Displayed number	4	Yes	Not available	Check on the peripheral device communication screen		
	Chiller current values (temperature to process, status)	Displayed number	4	Yes	Not available	Check on the peripheral device communication screen		
	Loader current values (status)	Displayed number	2	Yes	Not available	Check on the peripheral device communication screen		
	Feeder current values (additive amount, status)	Displayed number	4	Yes	Not available	Check on the peripheral device communication screen		
Hot runner temperature (temperature, heating rate, status)	Displayed number	6	Yes	Not available	Check on the Hot Runner screen			
Information per axis	Machine position	Displayed number	4	Yes	Not available	Check on the current value screen and servo diagnosis screen		
	Load	Displayed number	2	Yes	Not available	Check on servo diagnostics screen		
	Load rate	Displayed number	2	Yes	Not available	Check on servo diagnostics screen		
	Servo ready	Displayed number	1	Yes	Not available	Check on servo diagnostics screen		
	Motor temperature	Displayed number	2	Yes	Not available	Check on servo diagnostics screen		
Monitor	Process data and judge results	Text file	7910000	Yes	Yes	File output to I/O devices on the Trend chart screen. This can be cleared using the data reset button on the process monitor screen or Trend chart screen.		
	Wave data	Displayed graph	1424000	Yes	Not available	Check on wave screen		
	Cycle diagnosis	Displayed graph	136	Yes	Not available	Check on the cycle diagnosis screen		
	Power consumption	Displayed graph	500000	Yes	Yes	File output to I/O devices on the power consumption screen.		
Log maintenance	FDATA		2193272017	Not available	Yes	File output to I/O devices using maintenance data backup button on the maintenance screen.		
	Preventive maintenance data	Binary data	100000000					
	Alarm log	Database	3425781					
	Wear score	Binary data	305213					
	Last change log	Database	6003908					
	Custom signal name	Text file	1024000					
	Power consumption	Database	136718					
	Periodic inspection	Binary data	15625					
	Process data	Database	1969890684					
	Multiple screen set information	Text file	12					
	Memo information	Text file	4096					
	Operation log	Database	9399426					
	Operator management information	Binary data	28000					
	Back tension log	Database	3000000					
	Production log	Database	35156					
	Software series/version	Text file	3400					
	Mold file (All)	Binary data	100000000	Not available	Yes	File output to I/O devices using maintenance data backup button on the maintenance screen.		
	SRAM		2689999	Not available	Yes	File output to I/O devices using maintenance data backup button on the maintenance screen.		
	Preventive maintenance data (servo motor load rate and temperature, injection ball screw load rate, injection peak pressure, clamping force)	Text file	100000000	Yes	Yes	File output to I/O devices using prevent maint data backup button on the maintenance screen.		
	Total cycles	Displayed number	4	Yes	Not available	Check on the prevent maint. screen		
	Total injection	Displayed number	4	Yes	Not available	Check on the prevent maint. screen		
	Total operating time	Displayed number	4	Yes	Not available	Check on the prevent maint. screen		
	Total power on time	Displayed number	4	Yes	Not available	Check on the prevent maint. screen		
	Alarm log	Text file	4700000	Yes	Yes	File output to I/O devices on alarm history screen		
	Last change log	Text file	3200000	Yes	Yes	File output to I/O devices on the last change log screen		
	Operation log	Text file	8400000	Yes	Yes	File output to I/O devices on the operation log screen		
Machine	Custom menu	Binary data	896	Not available	Yes	File output to I/O devices from the custom menu screen		
	Operator management information	Binary data	37	Not available	Yes	File output to I/O devices on the input lock screen		
	Input lock information	Text file	164	Not available	Yes	File output to I/O devices on the input lock screen		
System information	Software series/version	Displayed string	3400	Not available	Not available	Check on the system information screen		
	Machine type	Displayed string	66	Not available	Not available	Check on the system information screen		
	Hardware specifications	Displayed string	408	Not available	Not available	Check on the system information screen		
Manual	Manual	PDF file	1516727969	Not available	Not available	Check on the manual list screen.		
		HTML file				Displayed via function button.		
Other	Multiple screen set information	Text file	452	Not available	Yes	File output to I/O devices via multi-screen switch dialog		