

FACTORY AUTOMATION

Software Tools & IoT-related Products





Mitsubishi Electric Corporation operates across a wide range of sectors, from home appliances and building systems to railway solutions, factory automation equipment, and satellites and leverages the synergy created by these diverse sectors to address various challenges and provide optimal solutions worldwide.

We, the Mitsubishi Electric Group, will continue to evolve in "carbon neutrality" and a "circular economy" by promoting innovation in products and services and providing integrated solutions through our business activities, all in order to realize a vibrant and sustainable society.

Under "Changes for the Better" which reflects the Mitsubishi Electric Group's commitment to "always strive to achieve something better", Mitsubishi Electric FA will expand the value of its products and services in the FA system business by advancing the provision and expansion of integrated solutions under the slogan "Automating the World" for an even better tomorrow. Through automation technology, we aim to contribute to innovation not only in the manufacturing industry but also across society as a whole.

We stand as your partner in shaping a smarter, more efficient, and more sustainable future.



**SUSTAINABLE
DEVELOPMENT
GOALS**

The Mitsubishi Electric Group is actively solving social issues, such as decarbonization and labor shortages, by providing production sites with energy-saving equipment and solutions that utilize automation systems, thereby helping towards a sustainable society.

INITIATIVES THAT CONTRIBUTE TO ADDRESSING SOCIAL ISSUES

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The Mitsubishi Electric Group will pursue value creation by addressing social challenges and will contribute to achieving the 17 goals of the SDGs*1 through all corporate activities.

Environmental Initiatives

The Mitsubishi Electric Group has set forth Environmental Sustainability Vision 2050 to clarify the company's stance on addressing long-term environmental issues and creating new value for a sustainable future toward 2050. The new vision identifies environmental protection as a top corporate priority and stipulates increased initiatives toward this end. It defines Mitsubishi Electric's future course toward 2050 for implementing key initiatives in the form of the Environmental Declaration and Three Environmental Action Guidelines.

Environmental Sustainability Vision 2050



Environmental Declaration

Protect the air, land, and water with our hearts and technologies to sustain a better future for all.

To solve various factors that lead to environment issues, the Mitsubishi Electric Group shall unite the wishes of each and every person, and strive to create new value for a sustainable future.

Three Environmental Action Guidelines

1 Apply diverse technologies in wide-ranging business areas to solve environmental issues

2 Challenge to develop business innovations for future generations

3 Publicize and share new values and lifestyles

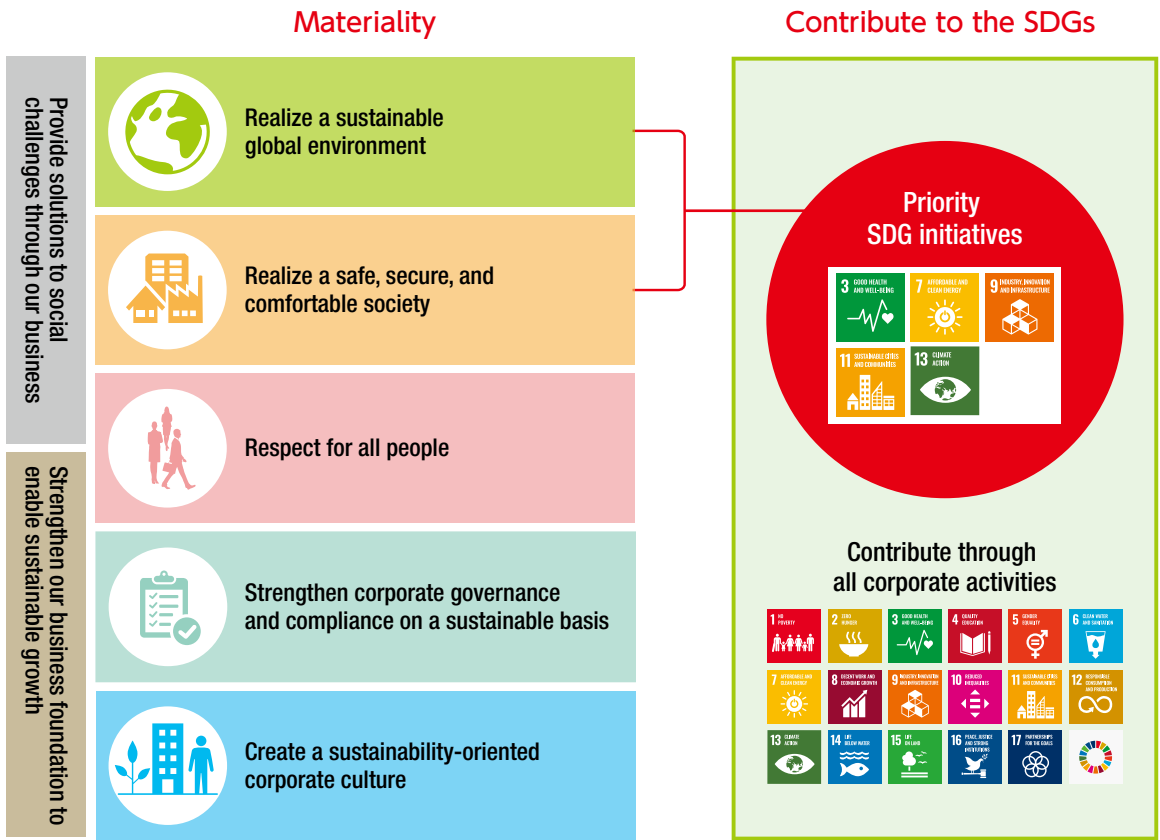
Key Activities

Climate Change Measures
Resource Circulation
Live in Harmony with Nature

Long-term Activities
Innovation
Nurturing Human Resources

Understanding Needs
Co-create and Disseminate New Values
Live in Harmony with the Region

The Mitsubishi Electric Group's Materiality



*1. Sustainable Development Goals adopted by the United Nations as goals to achieve by 2030.

The Difference in your Machining

with MITSUBISHI ELECTRIC CNC



Towards a CNC that can create more Differences

By staying close to our customers, we gain a deep understanding of their commitment to manufacturing and their unique "Difference", including their identity.

We will continuously integrate our refined automation technology, extensive experience with machine tools, and comprehensive technical capabilities as a general electrical equipment manufacturer.

This integration aims to enhance and strengthen our customers' "Difference".

We remain committed to promoting a sustainable society by addressing various social issues through our customers' manufacturing operations.

CNC Software Tools & IoT-related Products

Engineering Tools

Machine design and electrical circuitry design

- NC Servo Selection P.7
- NC Designer2 P.8
(Screen Design)
- NC Compiler2 P.9
(Compiler)
- NC Trainer2 plus P.10
(Customization Support)

Machine assembly and adjustment

- NC Configurator2 P.11
(NC Parameter Setup)
- NC Analyzer2 P.12
(Servo/Spindle Adjustment)

User Support Tools

Operation and maintenance

- NC Trainer2/NC Trainer2 plus P.13
(Training Tool)
- NC Explorer P.14
(Data Transfer)
- NC Monitor2 P.15
(Remote Monitoring)

IoT

- MTConnect Data Collector P.16
(Data Collection Software)
- NC Virtual Simulator P.17
(3D Simulator)
- Custom API Library P.18
(Mitsubishi Electric CNC Communication Software)

Products
Some of the items in this catalog are under development. Software and CNC displays are therefore subject to change without notice.
For details of GX Works3 (PLC development software), refer to the GX Works3 Catalog (L(NA)08334).



NC Servo Selection

Charge-free

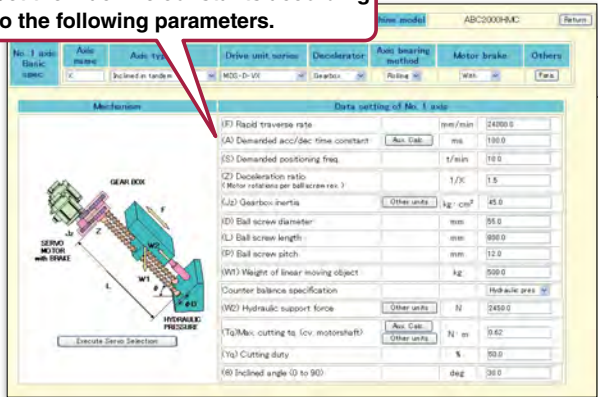


● It is difficult to figure out the best choice of machine from a wide selection of servo motors.

Find it with NC Servo Selection!

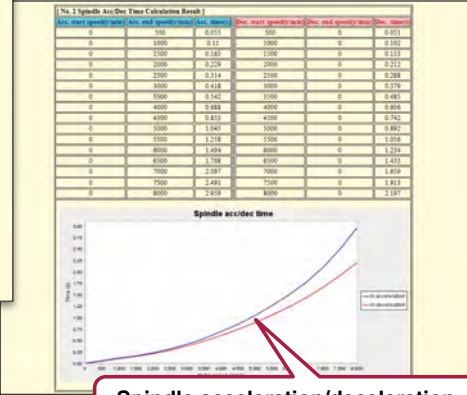
Input the machine constants for selection of the optimum servo motor.
This function automatically calculates spindle acceleration/deceleration times and selects the optimum power supply unit.

Set the machine constants according to the following parameters.



Servo motor selection

Calculation results of spindle acceleration/deceleration times



Spindle acceleration/deceleration times are shown in a graph.

■ Main functions

- Servo motor capacity selection
- Spindle acceleration/deceleration time calculation
- Power supply unit selection
- Power supply facility capacity calculation
- Multi-axis drive unit combination function
- Saving selected data

■ NC Servo Selection Main specifications

Supported OS	Windows 11
Languages	English/Japanese/Chinese (simplified)/Chinese (traditional)
Operating environment	Browser: Microsoft Edge (Chromium) Available hard disk space: 400 MB or more Display resolution: WXGA (1280×800) or higher
Libraries	.NET Framework 4.5.1 or later

NC Designer2 (Screen Design)

M800V M80V M800 M80 E80 M700V M70V E70



● What can I use to create an original screen to differentiate the machine?

Use NC Designer2!

NC Designer2 provides a development environment that allows machine tool builders to customize screens easily.
Two types of screen development methods are available: the interpreter system (programming without C++) for simple screen development and the compiler system (programming with C++) with a complex controller.

Combine parts to customize the screen without programming.

102 (%) 202 (%)

Easy to make a trend graph



* The trend graph is a dedicated control of the M800V/M80V/M800/M80/E80 Series.

■ Main functions

- Registration of screens created in the CNC menu
Screens created using NC Designer2 can be registered in the main operation, setup and editing menus.
- Easy to create custom screens using the template and macro functions
Screens can be created easily by using Mitsubishi Electric standard screen templates.
Various original processes can also be added easily using macro language instead of C language.
- C Language Library strongly supports screen development
Besides drawing, this function strongly supports event controls such as mouse and key operations and window functions that are indispensable for creating GUI such as the window system, etc.

■ NC Designer2 Main specifications

Supported OS	Windows 11
Languages	English/Japanese
Languages supported in original screen	English/Japanese/German/Italian/French/Spanish/Simplified Chinese/Traditional Chinese/Korean/Portuguese/Hungarian/Dutch/Swedish/Turkish/Russian/Czech/Polish/Indonesian/Vietnamese*1
Supported CNCs	M800V/M80V/M800/M80/E80/M700V/M70V/E70 Series

*1. Excluding the M700V/M70V/E70 Series.

NC Compiler2 (Compiler)

M800V M80V M800 M80 C80*

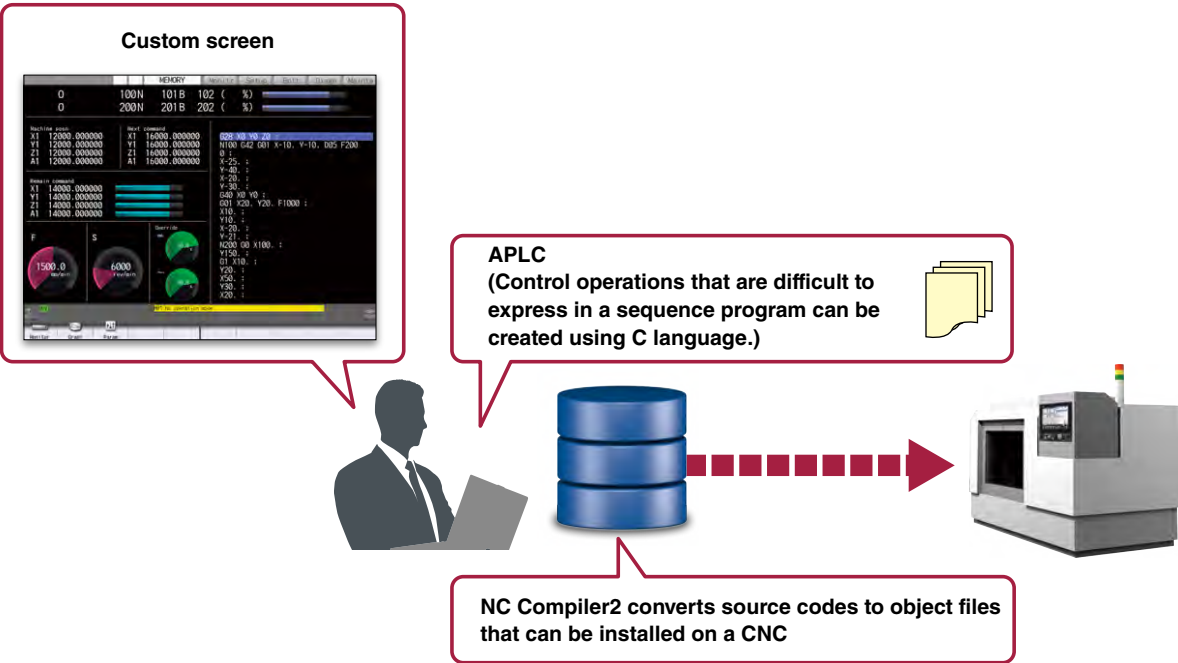
*APLC only



● We want to create C modules that run on a CNC.

NC Compiler2 allows easy conversion of source codes!

Source codes written in C or C++ are converted to object files that can be run on a Mitsubishi Electric CNC.



■ Related functions

- Development of custom screens using NC Designer2 compilation method (C++)
- APLC release (Control operations that are difficult to express in sequence program can be created using C language.)
- Motion control release (Development of control processes such as coordinate transformation)

■ NC Compiler2 Main specifications

Supported OS	Windows 11
Languages	English/Japanese
Supported CNCs	M800V/M80V/M800/M80/C80 Series
Operating environment	CPU: Clock speed of 1 GHz or higher
	Memory: 2 GB or more
	Hard disk: 100 MB or more of free space (excluding the space required for OS operation)

NC Trainer2 plus (Customization Support)

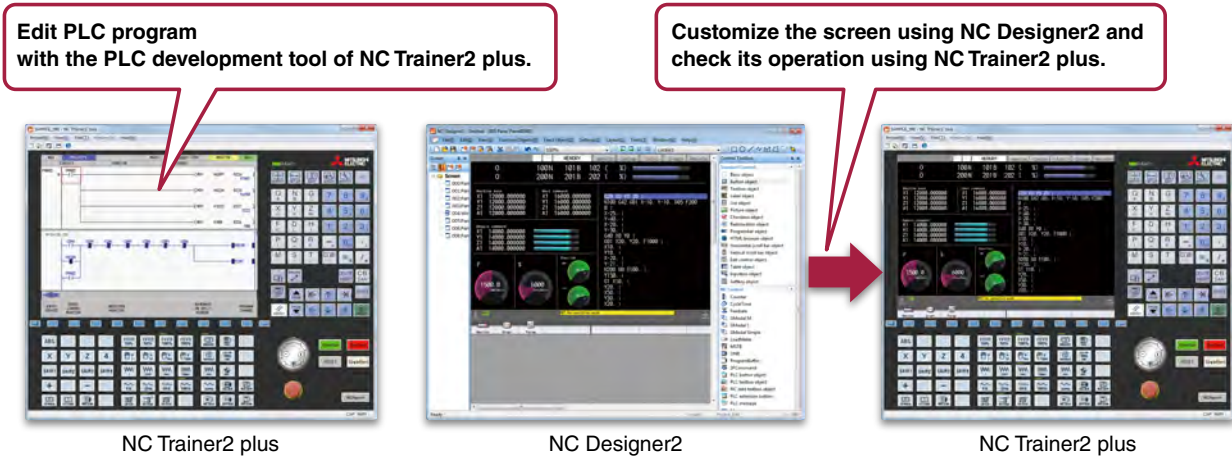
M800V M80V M800 M80 E80 C80 M700V M70V E70



● How can I check the operation of customized screens, PLC programs, etc. on my computer?

NC Trainer2 plus allows easy debugging from a PC!

NC Trainer2 plus supports customization development. It helps to program and debug the ladder programming of the user PLC to be developed by machine tool builders and to check the operations of customized screens.



■ Main functions

- Development support for customized screens (Even if there is no NC device, it can be debugged using a computer.)
- Development support for user PLC (ladder)
- Provides a machine operating environment (customized machine operation panel) that meets the specifications of the user's machine tool.
- Supports the development of C modules for APLC release and motion control release

■ NC Trainer2 plus Main specifications

Supported OS	Windows 11
Languages	English/Japanese/Simplified Chinese/Traditional Chinese
Supported CNCs	M800V (equivalent to M830V) /M80V/M800 (equivalent to M830) /M80/E80/C80*/M700V (equivalent to M730V) /M70V/E70 Series
Operating environment	CPU: 2.66 GHz or higher and processor with 2 or more cores
	Memory: 2 GB or more
	Available hard disk space: 400 MB or more (excluding the free space necessary for running the OS)
	Display resolution: FHD (1920×1080) or higher

*1. GX Works3 (GX Simulator3) is required.

NC Configurator2 (NC Parameter Setup)

Free version
is limited in
function

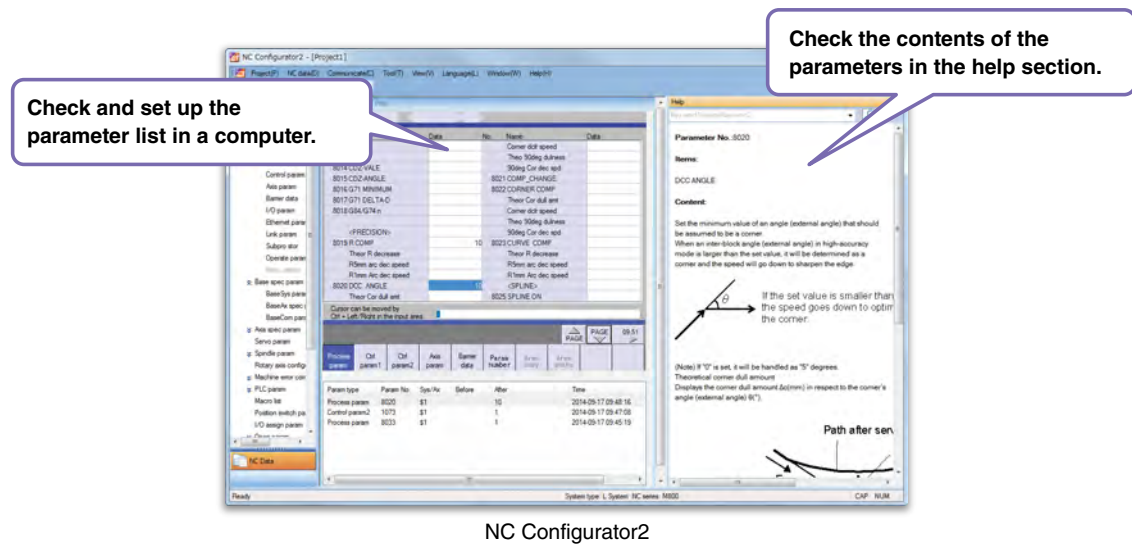
M800V M80V M800 M80 E80 C80 M700V M70V E70



- It is difficult to set up each parameter according to the manual.

Easy setup using NC Configurator2!

NC parameters required for NC control and machine operation can be edited on a computer.
Initial parameters can also be easily created by inputting the machine configuration.



Main functions

- NC parameter setting/search
- Help (parameter explanation)
- Offline comparison of parameter input/output
- NC data input
- Printing

The following are included in the full-mounted version.

- Parameter initial setting wizard
- Function parameters

NC Configurator2 Main specifications

Supported OS	Windows 11
Languages	English/Japanese/Simplified Chinese
CNC connections	CNCs supported*1: M800V/M80V/M800/M80/E80/C80/M700V/M70V/E70 Series Connection configuration: Ethernet/RS-232C (parameter read/write in serial communication) Connectable CNCs: 8 (max.)
Precaution	The free version has limited functions.

*1. Please contact us if connecting with older models.

NC Analyzer2 (Servo/Spindle Adjustment)

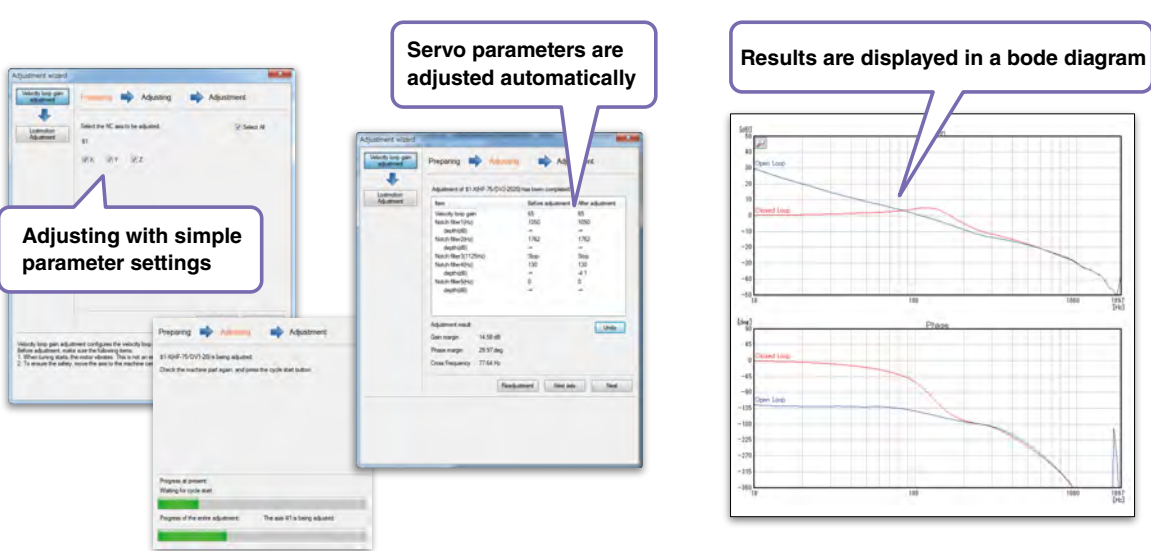
M800V M80V M800 M80 E80 C80 M700V M70V E70



- Servo parameter adjustment sounds complicated.
- I don't have a tool for measuring machine characteristics on hand.

Easy adjustment and measurement with NC Analyzer2!

NC Analyzer2 helps to make servo parameter settings by measuring and analyzing machine characteristics.
Measurement and analysis can be performed by running a servo motor using the machining program for adjustment, or using the vibration signal.
This function can sample various types of data.



Main functions

- Adjustment wizard
 - Speed loop gain adjustment
 - Notch filter setting
 - Circularity adjustment
 - Display adjustment progress

- Graph
 - Bode diagram measurement display
 - Servo waveform measurement
 - Display waveforms before/after adjustments
- Project management
 - Measured waveforms batch management

NC Analyzer2 Main specifications

Supported OS	Windows 11
Languages	English/Japanese/Simplified Chinese/Traditional Chinese/Korean
CNC connections	CNCs supported*1: M800V/M80V/M800/M80/E80/C80/M700V/M70V/E70 Series Connection configuration: Ethernet

*1. Please contact us if connecting with older models.

NC Trainer2/NC Trainer2 plus (Training Tool)

M800V M80V M800 M80 E80 C80* M700V M70V E70

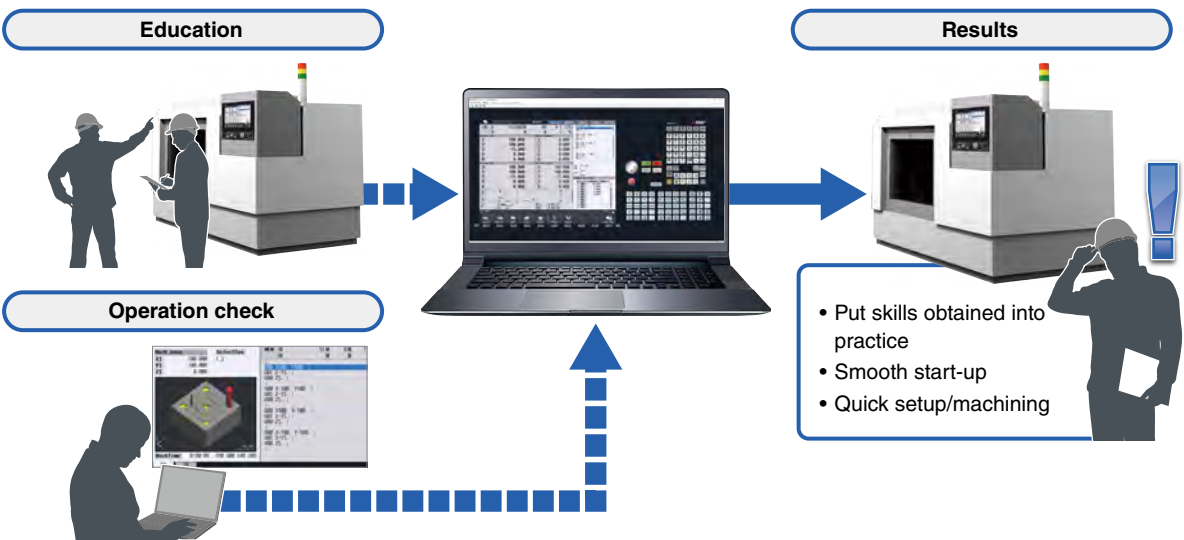
*C80 Series is supported only by NC Trainer2 plus. C80 Series is not supported by NC Trainer2.



- How can I train myself in CNC operations without accessing the machine?

Hone operating skills with NC Trainer2/NC Trainer2 plus!

This is an application for operating the CNC screen and machining programs on a computer without a CNC control unit or special display unit.
It can also be used for learning CNC operations and checking machining programs. The machining programs created on NC Trainer2/NC Trainer2 plus can be used in actual CNCs.



■ Main functions

- Create projects that reproduce a variety of machining environments.
- Not only the NC screen, but also the NC keyboard and operation panel are displayed on the computer.

■ NC Trainer2/NC Trainer2 plus Main specifications

Supported OS	Windows 11
Languages	English/Japanese/Simplified Chinese/Traditional Chinese
Supported CNCs	M800V (equivalent to M830V) /M80V/M800 (equivalent to M830) /M80/E80/C80*1/ M700V (equivalent to M730V) /M70V/E70 Series
Operating environment	CPU: 2.66 GHz or higher and processor with 2 or more cores
	Memory: 2 GB or more
	Available hard disk space: 400 MB or more (excluding the free space necessary for running the OS)
	Display resolution: FHD (1920×1080) or higher
Precaution	Before executing machining programs on an actual CNC, sufficient review should be conducted to prevent interference or other errors.

*1. Operation with NC Trainer2 plus is available. GX Works3 (GX Simulator3) is required.

NC Explorer (Data Transfer)

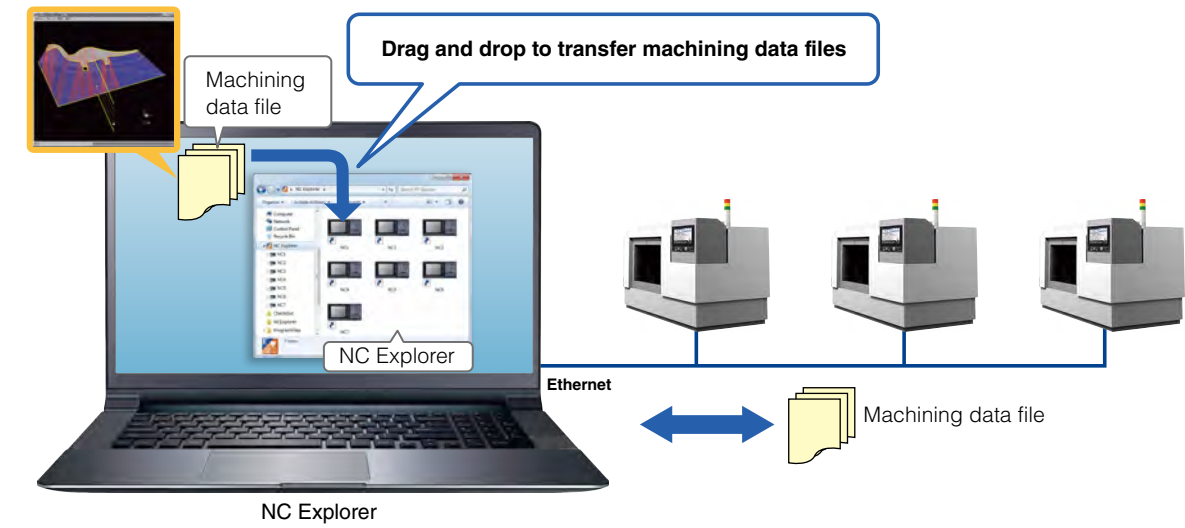
M800V M80V M800 M80 E80 C80 M700V M70V E70



- How can I transfer data prepared on a computer to a CNC?

Easy data transfer using NC Explorer!

CNC machining data file can be operated using Windows File Explorer on a computer when the computer is connected with multiple CNCs via Ethernet.



■ Main functions

- Cooperation with Windows File Explorer
Operational CNCs are displayed as folders on Windows File Explorer.
Drag and drop to transfer files.

■ NC Explorer Main specifications

Supported OS	Windows 10
CNC connections	CNCs supported*1: M800V/M80V/M800/M80/E80/C80/M700V/M70V/E70 Series Connection configuration: Ethernet

*1. Please contact us if connecting with older models.

NC Monitor2 (Remote Monitoring)

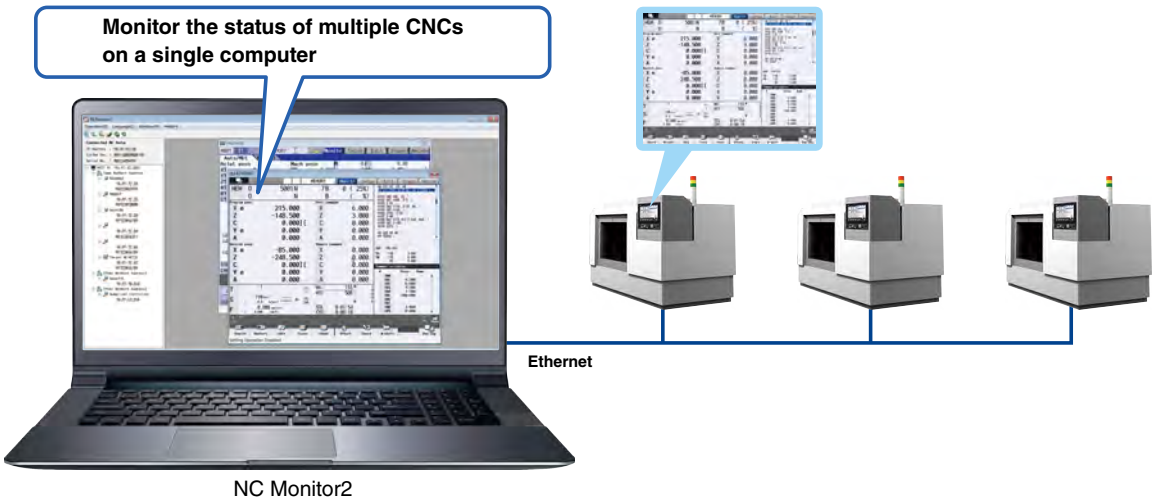
M800V M80V M800 M80 E80 C80 M700V M70V E70



● How can I monitor a CNC on a computer in the office without visiting the factory?

Easy monitoring with NC Monitor2!

Taking advantage of the network in a plant, CNC operation status can be monitored from remote locations. Several CNCs can be connected and monitored simultaneously.



Main functions

- Adopts the same screen structure
The monitoring display is constructed to mirror the CNC display unit.*1 It is possible to select a monitoring screen that is not synchronized with the display of the CNC in operation.
*1. Note that the screen structure of the 10.4-type display is applied when a 15-type or 19-type display is connected.
- Limit display/setting operation of CNCs
By setting parameters in a CNC, the availability of displaying and setting using this software can be restricted.
- Connectable CNCs are automatically listed
Connectable CNCs in a network group are automatically displayed in a list, and the CNCs can be connected by selecting them.

NC Monitor2 Main specifications

Supported OS	Windows 10
Languages	English/Japanese
CNC connections	Supported CNCs*2: M800V/M80V/M800/M80/E80/C80/M700V/M70V/E70 Series
	Connection configuration: Ethernet
	Connectable CNCs: 10 (max.)

*2. Please contact us if connecting with older models.

MTConnect Data Collector (Data Collection Software)

M800V M80V M800 M80 E80 C80 M700V M70V E70

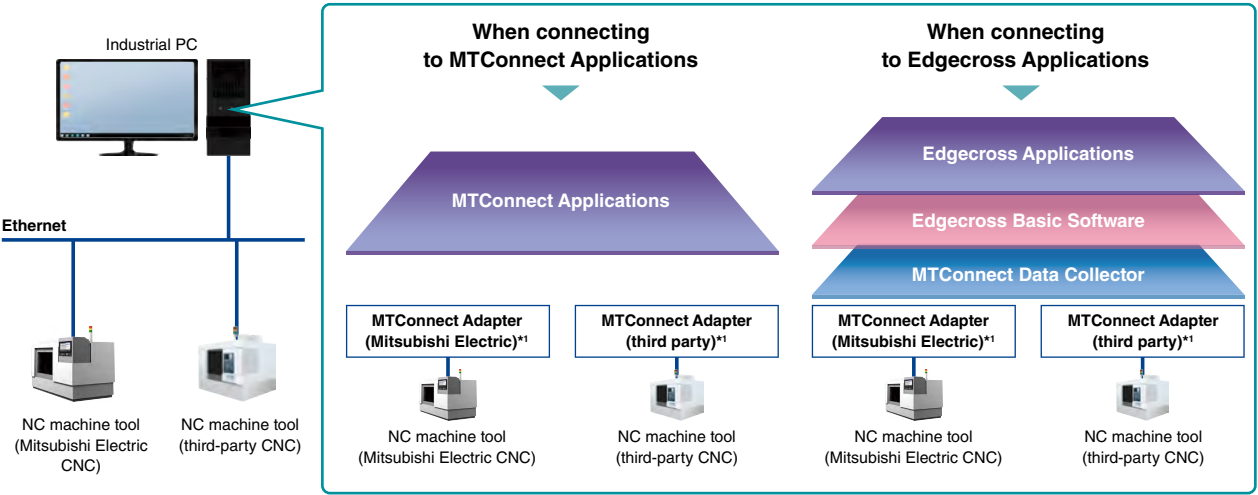


● We want to collect data from machine tools of various manufacturers on the shop floor.

MTConnect Data Collector is here to help!

This software collects data from machines that are compatible with the open communication standard, MTConnect, for machine tools. This product consists of an MTConnect Adapter and an MTConnect Data Collector.

- MTConnect Adapter** Collects data from machine tools and is used to connect with MTConnect Applications.
- MTConnect Data Collector** Collects the information via the MTConnect Adapter and stores it in the Edgecross Basic Software (new orders are not accepted after October 2025). Used to connect with Edgecross Applications.



*1. A suitable MTConnect Agent for each adapter is also required.

Main components

- MTConnect Data Collector
- MTConnect Adapter

MTConnect Data Collector Main Specifications (System Requirements)

		MTConnect Data Collector	MTConnect Adapter
Supported OS		Windows 11	
Languages		English/Japanese	
Supported CNCs	Mitsubishi Electric*2	M800V/M80V/M800/M80/E80/C80/M700V/M70V/E70 Series	
	Third Party	MTConnect Compatible Models	-
System requirements	Processor	Intel Atom E3826 1.46 Hz or faster	Intel Celeron 6600HE 2.6 Hz or faster
	Memory	4 GB or greater	2 GB or greater
	Storage	4 GB or greater	1 MB or greater
	Recommended Agent	C++ Agent issued by MTConnect Institute (version 13.0.11 or later, OSS)	

*2. Please contact us if connecting with older models.

NC Virtual Simulator (3D Simulator)

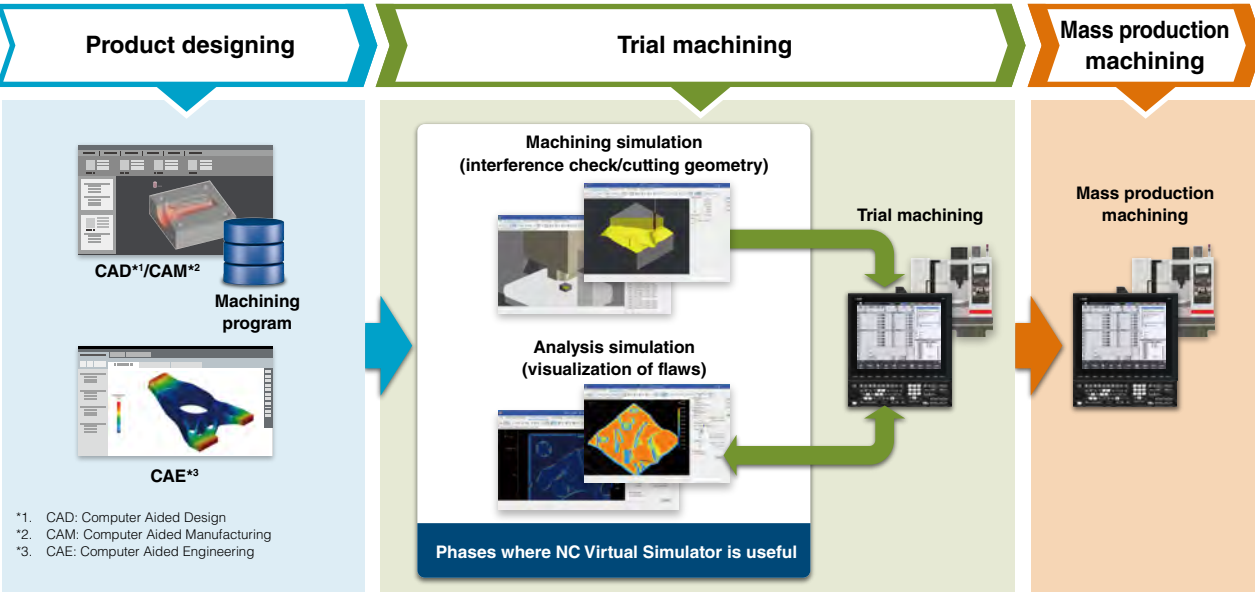
M800V M80V M800 M80



● We want to run a high-fidelity simulation before actual processing.

NC Virtual Simulator is here to help!

High-fidelity simulator digitizes the processes from product designing to trial machining, improving work efficiency and productivity. NC Virtual Simulator makes it possible to check at designing stage the machining errors that could previously only be found at trial machining stage, thus reducing the time and effort required for machining trials.



■ Main features

- Workpiece simulation
- Machine simulation (option)
- Analysis simulation
- CAD model superimposition
- Simulation comparison display
- Simulation with NC Trainer2 Plus

■ NC Virtual Simulator Operating environment

Computer	A personal computer with a processor with a clock speed of 2.66 GHz or faster, 2 or more cores and 4 or more threads (4 or more cores and 8 or more threads are recommended)
Memory	8 GB or greater
Available hard disk space	4 GB or greater (excluding the space required for OS operation)
Supported OS	Windows 11
Interface	10/100/1000M Ethernet (only for network-connected version) USB 1.1 or later
Display	A video adapter and a monitor with a resolution of HDTV (720p) (1280×720) or better (at least 65536 colors; 16770000 colors is recommended) PC with OpenGL 4.5 or later display adapter
Supported language	English/Japanese/Simplified Chinese/Traditional Chinese
Machine	Machining center (Only for a single part system and eight or less NC axes is supported.)
Supported CNCs	M800V/M80V/M800/M80 Series

Custom API Library (Mitsubishi Electric CNC Communication Software)

Charge-free

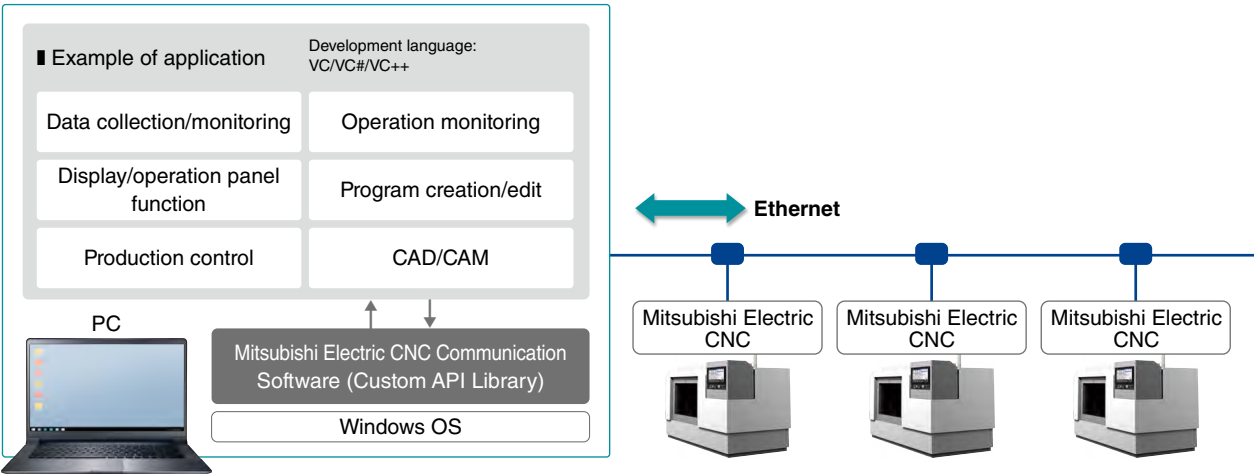
M800V M80V M800 M80 E80 M700V M70V E70



● We want to develop data collection and monitoring applications.

Custom API Library is here to help!

This software product is equipped with a set of API functions that make it easier to develop Windows applications that need to connect to Mitsubishi Electric numerical control and handle communication processes. The latest M800V and M80V series support real-time reading of CNC sampling data. It supports the development of applications such as machining monitoring and production management that prioritize real-time performance.



■ Main features

- Read/write machining programs
- Upload/download files
- Acquire coordinate values, alarm/diagnosis information
- Read/write NC data such as tools and variables
- Read/write device information
- Real-time data sampling

■ Custom API Library Main specifications

Supported OS	Windows 11
Target platform	x86 (32bit)/x64 (64bit)
Development Language	VC/VC#/VC++
Supported CNCs	M800V/M80V/M800/M80/E80/M700V/M70V/E70 Series

When using the C80

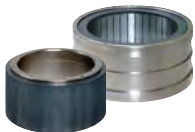
For customers using the C80, we sell FSCB1224W000 (Mitsubishi Electric CNC Communication Software). For detailed specifications, please contact our office.

CNC-related Product Lineup

Numerical Controllers

M800VW		Premium CNC with separated control unit and display for expandability and flexibility
M800VS		High-grade CNC well suited to high-speed high-accuracy machining and multi-axis multi-part system control
M80VW		Standard CNC with separated control unit and display for expandability and flexibility
M80V		Standard CNC that ensures high productivity and easy operability
E80		Simple CNC E80 Series offering easy operability and high cost performance
C80		iQ Platform compatible CNC C80 Series incorporating Mitsubishi Electric's state-of-the-art technologies

Drive Units/Servo Motors/Spindle Motors

MDS-E/EH		High-performance servo/spindle drive units
MDS-EM/EMH		Multi-hybrid drive units
MDS-EJ/EJH		All-in-one compact drive units
MDS-EX-CV/CVH MDS-EX-CVP		Next-generation Converter PWM Converter
Servo motors	  	HG Series medium inertia, high-accuracy, high-speed motors LM-F Series linear servo motors TM-RB Series direct-drive servo motors
Spindle motors	   	SJ-D Series high-performance spindle motors SJ-DG Series high-output, high-torque spindle motors SJ-DL Series low-inertia, high-speed spindle motors SJ-BG Series built-in spindle motors

GLOBAL SALES & SERVICE NETWORK

AMERICA	EUROPE	ASEAN	
<p>MITSUBISHI ELECTRIC US, INC. INDUSTRIAL AUTOMATION HQ and Central Region Service Center (Chicago)</p> <p>500 Corporate Woods Parkway, Vernon Hills, Illinois 60061,U.S.A. TEL: +1-847-478-2500 / FAX: +1-847-478-2650</p> <ul style="list-style-type: none">Minneapolis, MN Service SatelliteDetroit, MI Service SatelliteGrand Rapids, MI Service SatelliteCleveland, OH Service SatelliteSt. Louis, MO Service SatelliteIndianapolis, IN Service Satellite <p>South/East Region Service Center (Georgia)</p> <ul style="list-style-type: none">Charleston, SC Service SatelliteCharlotte, NC Service SatelliteRaleigh, NC Service SatelliteDallas, TX Service SatelliteHouston, TX Service SatelliteHartford, CT Service SatelliteKnoxville, TN Service SatelliteNashville, TN Service SatelliteHuntsville, AL SatellitePittsburgh, PA Service SatelliteTampa, FL Service SatelliteMiami, FL SatelliteLafayette, LA Service SatelliteAllentown, PA Satellite <p>Western Region Service Center (California)</p> <ul style="list-style-type: none">San Francisco, CA SatelliteSeattle, WA Service SatelliteDenver, CO Service Satellite <p>Canada Region Service Center (Toronto)</p> <p>4299 14th Avenue Markham, Ontario L3r Oj2, Canada TEL: +1-905-754-3805 / FAX: +1-905-475-7935</p> <ul style="list-style-type: none">Edmonton, AB Service SatelliteMontreal, QC Service Satellite <p>Mexico Region Service Center (Queretaro)</p> <p>Parque Tecnológico Innovación Querétaro, Lateral Carretera Estatal 431, Km 2+200, Lote 91 Modulos 1 y 2 Hacienda la Machorra, CP 76246, El Marqués, Querétaro, México TEL: +52-442-153-6050</p> <ul style="list-style-type: none">Monterrey, NL Service SatelliteMexico City, DF Service Satellite	<p>MITSUBISHI ELECTRIC EUROPE B.V. 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Rubí, 76-80 8174 Sant Cugat Del Valles, Barcelona, Spain TEL: +34-935-65-2236</p> <p>Service Center Poland (Krakow)</p> <p>Ul. Krakowska 48, 32-083 Balice, Poland TEL: +48-12-347-6531</p> <p>Service Satellite Hungary (Budapest)</p> <p>Budaörs Office Park, Szabadság út 117., 2040 Budaörs, Hungary TEL: +36-70-433-2263</p> <p>Service Center Turkey</p> <p>MITSUBISHI ELECTRIC TURKEY ELEKTRİK ÜRÜNLERİ A.Ş</p> <p>Serifali Mahallesi Kale Sokak. No.41 34775 Umraniye, Istanbul, Turkey TEL: +90-216-969-2500</p> <p>Service Satellite Czech (Prague)</p> <p>Radlická 740/113c, Jinonice, 158 00 Praha 5, Czech Republic TEL: +420-734-446-484</p> <p>Service Satellite Sweden (Stockholm)</p> <p>Hammarbacken 14, P.O.Box 750 Se-19127, Sollentuna, Sweden TEL: +46-8-6251200</p> <p>Service Satellite Bulgaria</p> <p>AKHNATON Ltd. (Service Partner)</p> <p>4 Andrej Ljapchev Blvd. Pob 21, Bg-1756 Sofia, Bulgaria TEL: +359-2-8176009</p> <p>Service Satellite Ukraine</p> <p>VBR-COM LTD. 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WARRANTY

Please confirm the following product warranty details before using MITSUBISHI ELECTRIC CNC.

1. Warranty Period and Coverage

Should any fault or defect (hereafter called "failure") for which we are liable occur in this product during the warranty period, repair services shall be provided at no cost through the distributor from which the product was purchased or through a Mitsubishi Electric service provider. Note, however, that this does not apply if the customer was informed prior to purchasing the product that the product is not covered under warranty. Also note that we are not responsible for any on-site readjustment and/or trial run that may be required after a defective unit is replaced.

[Warranty Term]

The term of warranty for this product shall be twenty-four (24) months from the date of delivery of the product to the end user, provided the product purchased from Mitsubishi Electric or a distributor in Japan is installed in Japan (but in no event longer than thirty (30) months, including distribution time after shipment from Mitsubishi Electric or a distributor).

Note that, in the case where the product purchased from Mitsubishi Electric or a distributor in or outside Japan is exported and installed in any country other than where it was purchased, please refer to "2. Service in Overseas Countries" below.

[Limitations]

- (1)The machine tool builder is requested to conduct an initial failure diagnosis, as a general rule. The diagnosis may also be carried out by Mitsubishi Electric or our service provider for a fee at the machine tool builder's request.
- (2)This warranty applies only when the conditions, method, environment, etc., of use are in compliance with the terms, conditions and instructions that are set forth in the instruction manual, user's manual, and the caution label affixed to the product, etc.
- (3)Even during the term of warranty, repair costs will be charged to the customer in the following cases:
 - (a) a failure caused by improper storage or handling, carelessness or negligence, etc., or a failure caused by a problem with the customer's hardware or software

- (b) a failure caused by any alteration, etc., to the product made by the customer without Mitsubishi Electric's approval
- (c) a failure which could have been avoided if the customer's equipment in which this product is incorporated had been equipped with a safety device required by applicable laws or has any function or structure considered indispensable in the light of industrial common sense
- (d) a failure which could have been avoided if consumable parts designated in the instruction manual, etc. had been duly maintained and replaced
- (e) any replacement of consumable parts (including the battery, relay and fuse)
- (f) a failure caused by external factors such as inevitable accidents, including without limitation fire and abnormal fluctuation of voltage, and acts of God, including without limitation earthquakes, lightning, and natural disasters
- (g) a failure which could not have been foreseen under technologies available at the time of shipment of this product from Mitsubishi Electric
- (h) any other failures which are not attributable to Mitsubishi Electric or which the customer acknowledges are not attributable to Mitsubishi Electric

2. Service in Overseas Countries

If the customer installs a product purchased from Mitsubishi Electric in a machine or equipment and exports it to any country other than where it was purchased, the customer may sign a paid warranty contract with our local FA center.

This applies in the case where the product purchased from us in or outside Japan is exported and installed in any country other than where it was purchased.

For details please contact the distributor from which the product was purchased.

3. Exclusion of Responsibility for Compensation against Loss of Opportunity, Secondary Loss, etc.

Regardless of the gratis warranty term, Mitsubishi Electric shall not be liable for compensation for:

- (1)Damage arising from any cause found not to

- be the responsibility of Mitsubishi Electric.
- (2)Lost opportunity or lost profit incurred by the user due to a failure of a Mitsubishi Electric product.
- (3)Special damage or secondary damage, whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi Electric products.
- (4)Replacement by the user, maintenance of on-site equipment, start-up test run and other tasks.

4. Changes in Product Specifications

Specifications shown in our catalogs, manuals or technical documents are subject to change without notice.

5. Product Application

- (1)For use of this product, applications should be those that will not result in a serious damage even if a failure or malfunction occurs in the product, and a backup or fail-safe function should operate on an external system when any failure or malfunction occurs to the product.
- (2)Mitsubishi Electric CNC is designed and manufactured solely for applications to machine tools for industrial purposes. Do not use this product in applications other than those specified above, especially those which have substantial influence on public interest or which are expected to have significant influence on human lives or properties.

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Creating Solutions Together.





Industrial Computer



Controllers



Computerized Numerical Controllers



Drive Products



Human Machine Interfaces



Robots



Low-voltage Power Distribution Products



Medium-voltage Power Distribution Products



Energy Saving Supporting Devices



Processing Machines: EDM, Lasers



Engineering and Solution Software

Mitsubishi Electric's FA division provides robust support for our customers' manufacturing needs. We offer a vast array of FA products, including industry-leading PLCs, control devices, drive devices, energy efficiency support equipment, power distribution control equipment, and industrial mechatronics. Our presence on every type of production floor enables us to assist in labor-saving initiatives and quality improvements, helping customers achieve sustainable manufacturing. We also address challenges such as decarbonization and labor shortages through the utilization of automation technology.

Additionally, by leveraging synergies among FA technologies, manufacturing expertise, and digital innovations, we aim to streamline the construction of systems for data collection, accumulation, and analysis. This contributes to reducing manufacturing and quality losses.

We enable flexible manufacturing processes that respect legacy systems while embracing innovations to drive optimization. As your solution partner, Mitsubishi Electric FA delivers high-performance, high-quality products that enhance your competitiveness.

Let's automate the world together!

Note: not all products are available in all countries



Official Mitsubishi Electric Mechatronics YouTube account

User support videos are available, including how to backup/restore data and replace batteries, and an introduction to our products and technologies.



Official Mitsubishi Electric FA LinkedIn/X account

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