

FACTORY AUTOMATION

# Graphic Operation Terminal MELHMI GOT3000 Series



**Smooth.  
Seamless.  
Smart.**

BEYOND HMI, NEW GOT DEBUT

# GOT3000





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.



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.

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# Lineup

The Optimal HMI for Your Equipment

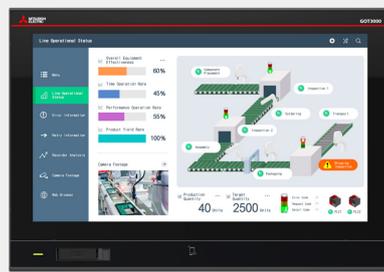
# HMI

**GT37 Wide**

**NEW** Projected Capacitive (PCAP) Touch Panel

**NEW** 16 M Colors

DC



**NEW SIZE**

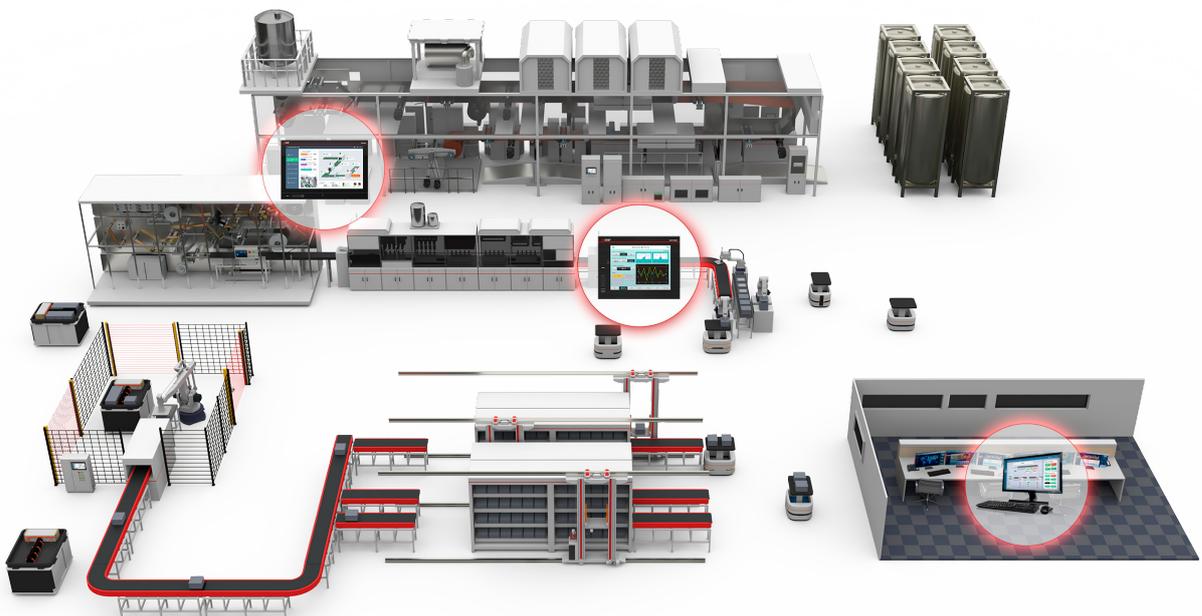
**15.6" Wide Full HD**

**GT3715-FHCBD**



**12.1" Wide WXGA**

**GT3712-WXCBD**





- Ethernet 2 Channels
- RS-232/422/485
- NEW** USB Device/Host USB Type-C
- USB Host USB Type-A
- NEW** Contactless Tag
- NEW** Digital Video Output
- SD Memory Card
- Extension Interface
- RAM (User Memory) 2 GB (768 MB)
- ROM (User Memory) 512 MB (256 MB)

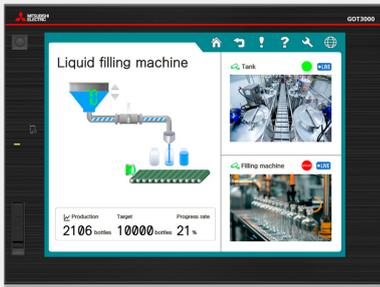
# GT37

Analog Resistive Touch Panel

**NEW** 16 M Colors

AC

DC



15" XGA Human Sensor  
**GT3715-XRBA**  
**GT3715-XRBD**

12.1" XGA Human Sensor  
**GT3712-XRBA**  
**GT3712-XRBD**

10.4" XGA  
**GT3710-XRBA**  
**GT3710-XRBD**

8.4" XGA  
**GT3708-XRBA**  
**GT3708-XRBD**

Manage both GOT and production sites from your computer

# HMI Software

## GT SoftGOT3000 License required\*

Monitor equipment and production line information from your office computer.

Go to page 27 >>



\* A license key (for the USB port) is no longer needed. The license is now registered electronically.

# Smooth monitoring of various devices

## Various Interfaces



### NEW USB Type-C (Device/Host)

A computer or USB devices can be connected. Project data can be transmitted without opening the control panel.



### NEW Contactless Tag

Just tap the compatible mobile device to read the pre-set information.



Tag reader

### Fast project data transfer

Transfer time comparison (via USB Type-C)\*



\* Results from our company's test environment.

### When connected remotely

You can obtain access information (designated URL) and remotely monitor the GOT.

**GOT Mobile**

Pocket GOT



### When trouble occurs

You can quickly address troubles by "making a call," "sending an email," or "displaying text."

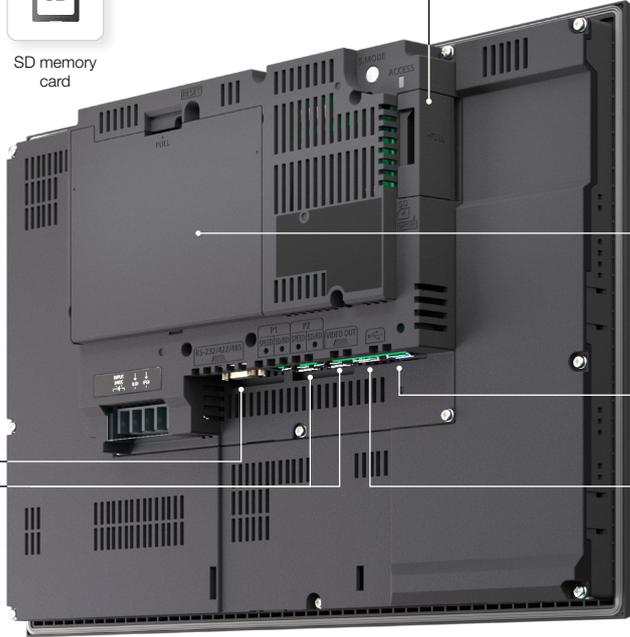


### SD Memory Card Interface

Data area can be expanded with an SD memory card.



SD memory card



### Extension Interface

Communication and option units can be attached.\*1

\*1 An additional extension interface conversion unit (GT37-IF2000) is required.

### USB Type-A (Host)

USB-compatible devices can be connected.



Keyboard



Computer mouse



Barcode reader



Web camera



Speaker



USB memory stick

### NEW Digital Video Output

Output the GOT screen by connecting it to an external monitor with an HDMI cable.



Large monitor

### NEW Ethernet (1000BASE-T) CC-Link IE TSN OPC UA MODBUS/TCP

Two ports come as standard. CC-Link IE TSN (Class A) is supported for Port 1 only.

#### FA Devices



Mitsubishi/Non-Mitsubishi programmable controllers



Inverter



Servo



Computer



Computer/Server



Network camera

#### Ethernet Connectable Devices

### Serial (RS-232/422/485) MODBUS/RTU

#### FA Devices



Mitsubishi/Non-Mitsubishi programmable controllers



Inverter



Servo



Temperature controller



Barcode reader



RFID

### High performance monitoring

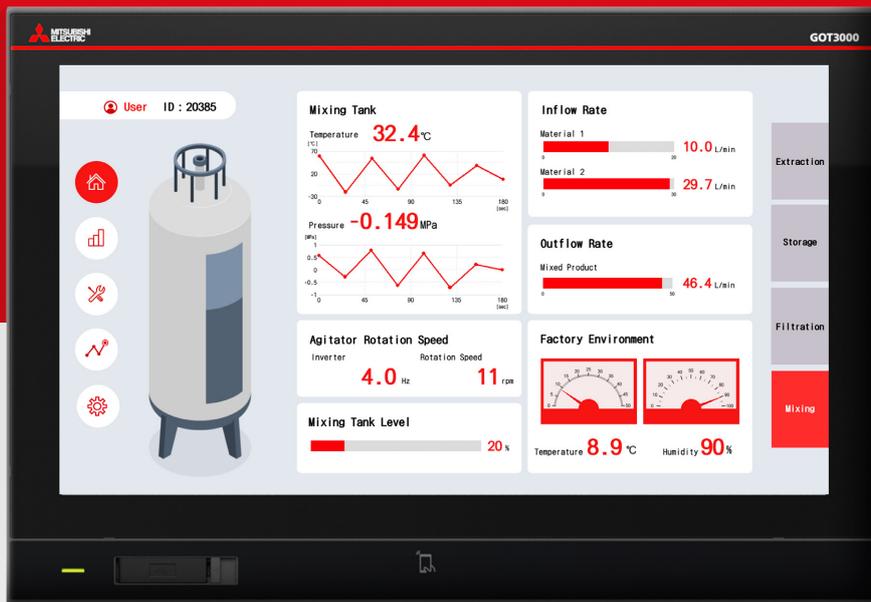
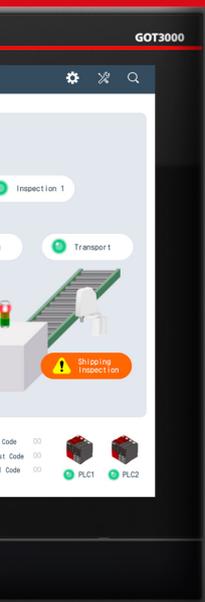
Performance for monitoring multiple devices has improved, enabling stress-free monitoring.

\*2 Results from our company's test environment.

### Monitor performance comparison (when multiple devices are connected via Ethernet)\*2



# Smooth. Seamless. Smart.



**Accelerate digital transformation on your site:  
Refined technology and continuous evolution  
connect people, systems, and IT even more strongly.**

## INTERFACE

# The Smoothest and Most Beautiful GOT Ever

The high-definition touch panel improves operability, achieving universal usability and visibility.

————— [Go to the next page >>](#)



## NETWORK

# Overcoming Network Barriers

Achieve high-level security and FA data integration and collection by using GOT as an IoT gateway.

————— [Go to page 13 >>](#)

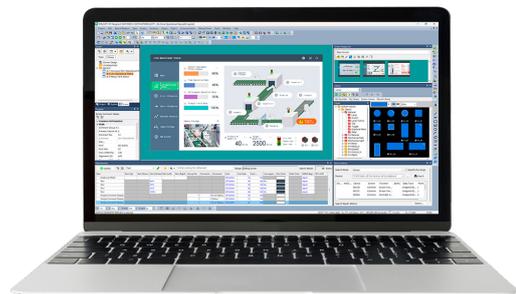


## ENGINEERING

# Engineering with Ease

With new features and retained operability, the user-friendly software robustly supports screen design and replacement of existing models.

————— [Go to page 16 >>](#)



# GOT3000

## INTERFACE

# The Smoothest and Most Beautiful GOT Ever

The clear and beautiful display offers smooth operability

### High-Definition, Rich Color Display

A vibrant, Full HD 15.6" widescreen display with 16 million colors.

### Projected Capacitive (PCAP) Touch Panel

A durable and robust glass screen with high transparency responds to light touch. [GT37 Wide only]



### Pinch-in/Pinch-out

It is operable just like a smartphone. [GT37 Wide only]

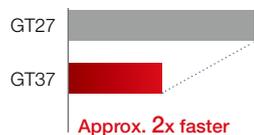
### Faster startup and improved monitor (communication and drawing) performance

Parallel processing by the built-in multi-core CPU shortens startup time and ensures smooth screen operation, even during high-load processes such as logging, scripting, and alarm management.

Startup time comparison\*1



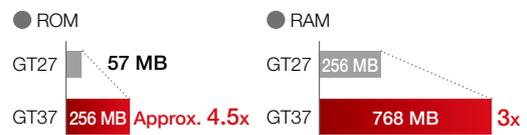
Monitor performance comparison\*2



### Expanded user memory capacity

Reliable memory capacity allows project data to be saved without worrying about storage limitations.

User memory capacity comparison



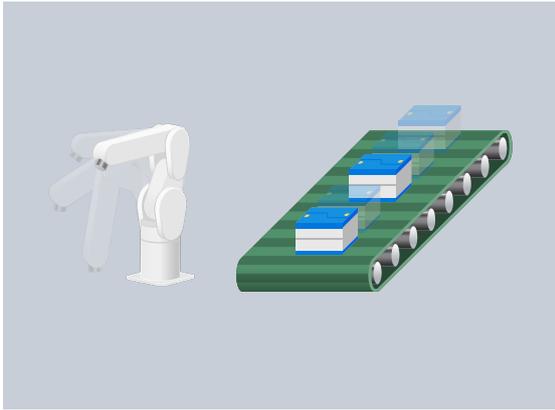
\*1 Results from our company's test environment.

\*2 Results from our company's test environment (during high-load processing).

# Clear, accessible visuals

**NEW** **Frame Animation**

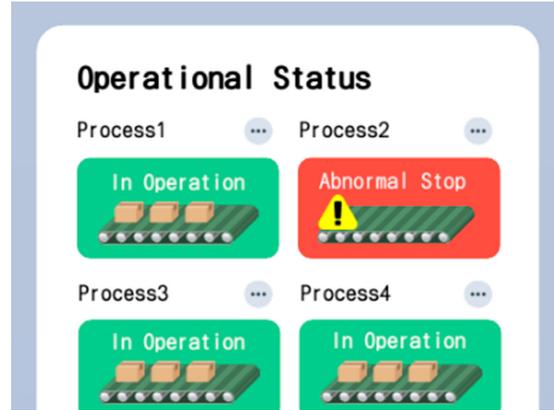
Newly added animation parts enrich visual expressions.  
User-created animation files (PNG, APNG, GIF) can also be imported.



The parts move on new GOT screen

**NEW** **Universal Design Fonts**

Easily recognizable fonts are supported.

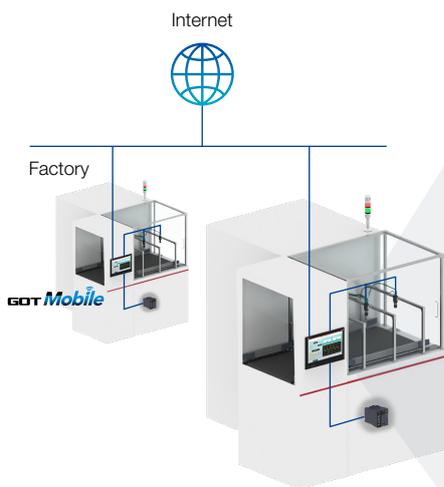


Clear and beautiful, even for small text

# Configure and monitor controllers with GOT

**NEW** **Web Browser**

GOT3000 enables you to monitor and configure controllers that have a web server function.  
It also supports browsing websites.



Examples of utilizing web browser

Other GOTs monitoring (GOT Mobile function)

Website

Program monitoring for MELSEC MX Controller MX-R model

HTML, CSS, JavaScript



For devices that have been tested for compatibility, please refer to the technical bulletin No.GOT-A-0249.

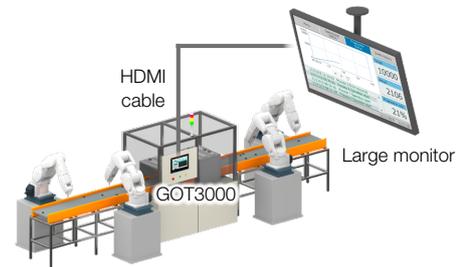
## Easier Andon display

**NEW**

### Built-In Digital Video Output Interface

Output to external display without an option unit

- With a single HDMI cable, display GOT screen on a large monitor.
- A different screen from the GOT screen can be displayed.
- It can be used for Andon system information sharing.



## Camera footage can be displayed, recorded, and played back

**NEW**

### Digital Image Input/Recording and Playback

License required\*1

- Connect to a web camera or a network camera to display the live feed on GOT.
- With the recording and playback function, verify machine conditions through camera footage when problems occur.

\*1 For recording and playback or displaying footage from a network camera, a separate multimedia function license is required.

Recorded footage of up to 120 seconds each before and after the trouble

120 sec before | Trouble occurrence | 120 sec after

Add-on projects (sample screens) are also available for immediate use. For the latest add-on projects, please contact your local sales office.

Item	Compatible camera*2	
	Web camera	Network camera
Connection method	USB	Ethernet
Number of connectable devices (max)	1	4
Resolution	Full HD (1920 x 1080) , HD (1280 x 720) , VGA (640 x 480)	
Number of live feed display units (max)	1	4
License	Not required	Required
Number of recording and playback units (max)	1	1
License	Required	Required

\*2 When using the camera, please choose either a web camera or a network camera.

For cameras that have been tested for compatibility, please refer to the technical bulletin No.GOT-A-0233. >>

Technical Bulletin



# NETWORK

## Overcoming Network Barriers

### Enabling IoT for equipment using GOT as a gateway to IT systems

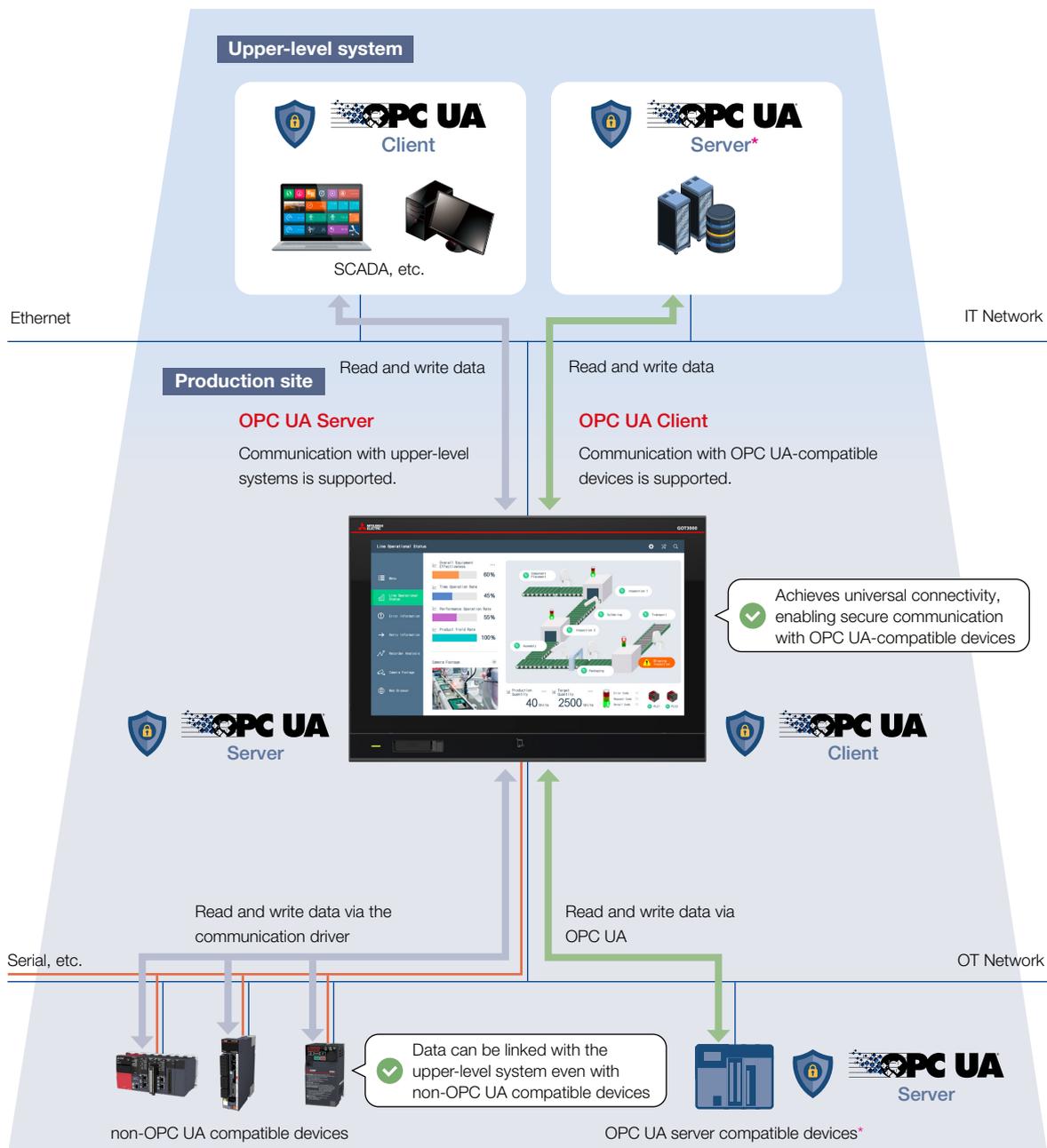
**NEW**

**OPC UA Server**

**NEW**

**OPC UA Client**

- With high security, data can be safely integrated between the upper-level system and the manufacturing line via GOT3000.
- With high connectivity, various devices can be connected using a single protocol, enhancing the flexibility of system design and achieving system integration.



\* Only one OPC UA server can be connected to a single GOT. Multi-device connections are planned for future support.

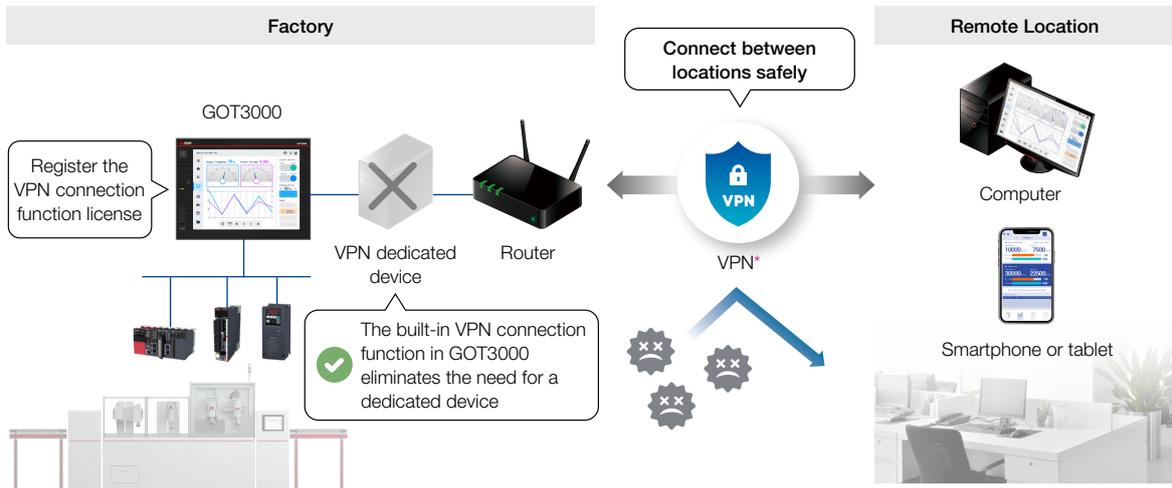
## Build a secure network environment at a low cost

NEW

### VPN Connection

License required

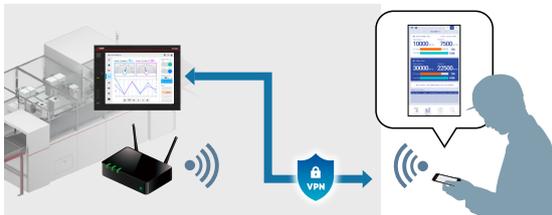
- Highly secure communication is achieved with VPN connection when monitoring or maintaining equipment remotely through the Internet.
- The built-in VPN functionality in GOT3000 eliminates the need for a dedicated VPN device, enabling cost-effective, secure remote monitoring.



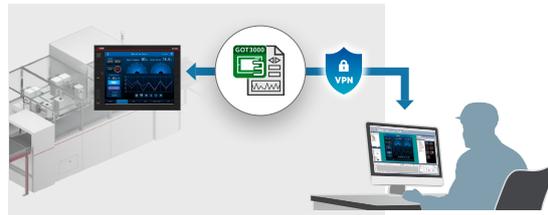
\* Based on a Secomea A/S remote access solution and requires a separate contract with Secomea A/S.

### Access with Ease & Peace of Mind

#### ● Easily Conduct Remote Monitoring



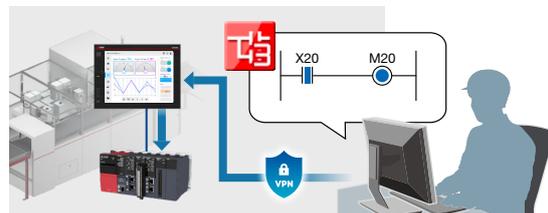
#### ● Securely Update Project Data



#### ● Safely Read/Write Resource Data



#### ● Seamlessly Remote-Monitor Mitsubishi FA Devices



## Enhance equipment security

GOT3000 is scheduled to comply with IEC 62443-4-2, an international security standard for protecting controllers from cyber attacks.



### ! GOT data tampering, information leaks

#### 🔒 Data Protection

##### >> **NEW** Information Protection Function

Protect confidentiality by setting passwords for files that are information assets, such as logging data and operation log data. This restricts unauthorized third parties from accessing or modifying files.

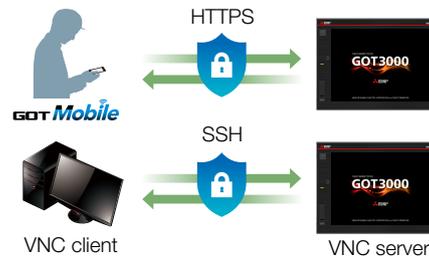
##### >> **NEW** Encrypted Communication

Encrypted communication between the computer (GT Works3) and GOT prevents the leakage of assets such as project data.



##### >> **NEW** Enhancing Remote Connection Security

GOT Mobile and VNC server now support encrypted communication. Secure remote access is possible through an encrypted communication path.

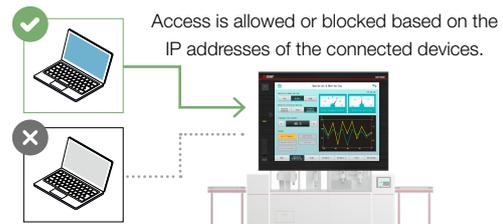


### ! Unauthorized access to GOT through network

#### 🔒 Network Protection

##### >> IP Filter

Access from specified IP addresses can be allowed or blocked.



### ! Unauthorized operation on GOT Screen

#### 🔒 Operation Limitation

##### >> **Upgraded** Operator Authentication

- The screens and functions available for operation and display can be restricted for each operator.
- **NEW** Detailed configuration for operational authority, including access to the GOT from external devices such as computers and settings changes via utilities, can be set.



Login with operator's name and password

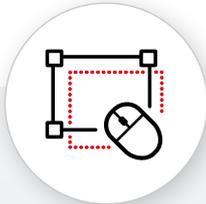


RFID reader

Login with external authentication device

# ENGINEERING

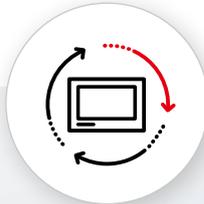
# Engineering with Ease



Screen Design



Debug

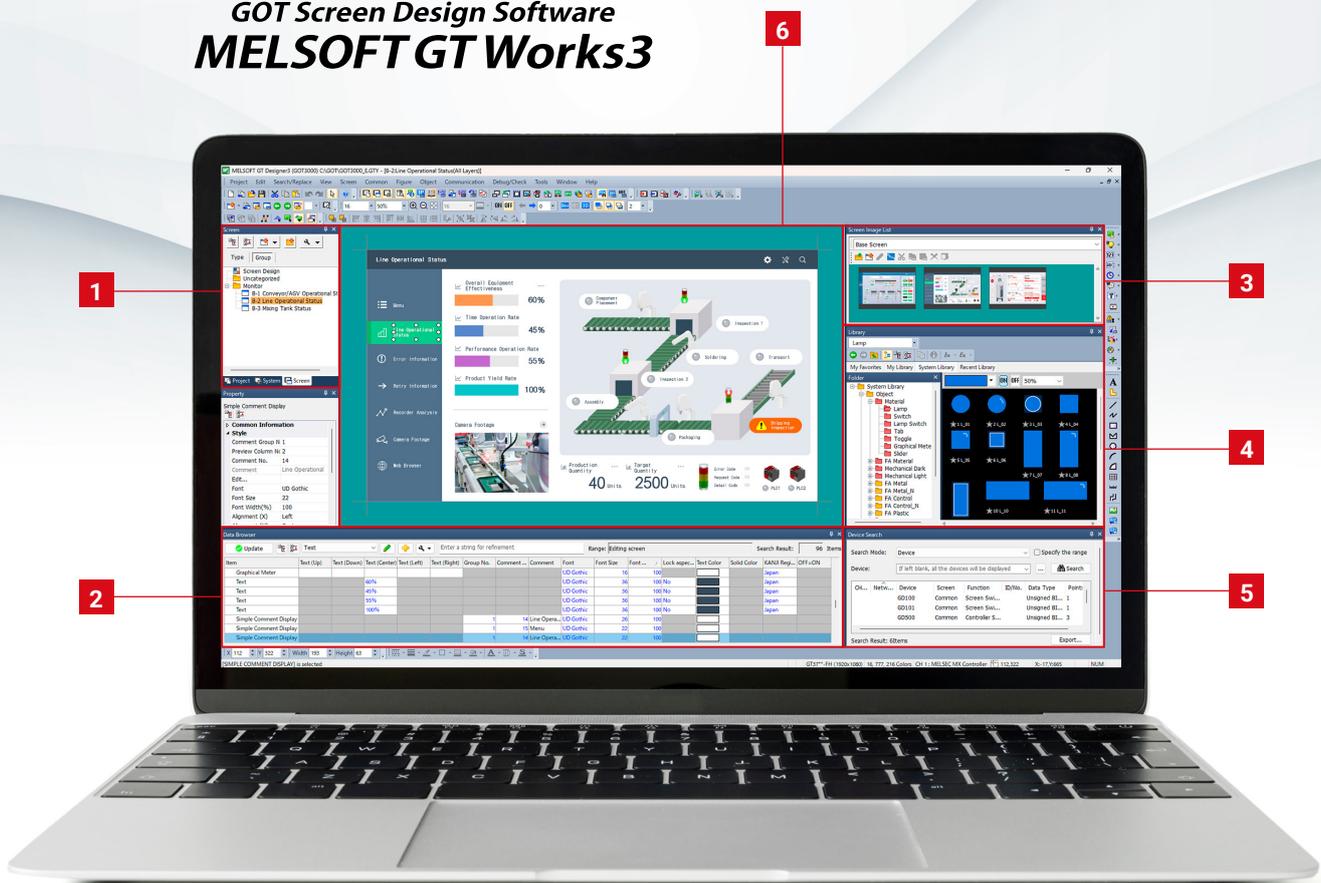


Reuse



Management

## GOT Screen Design Software MELSOFT GT Works3



### 1 Work Tree

Manage and configure for each screen, system, and project.

### 3 Screen Image List

View each screen as an image, making screen search simple.

### 5 Device Search

Quickly search for the devices and labels in use.

### 2 Data Browser

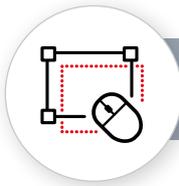
Directly view and edit properties of multiple objects across the entire project.

### 4 Library

Create professional screens using a wide variety of parts and frame animations.

### 6 Screen Editor

Design efficiently with various functions that minimize man-hours in screen creation.



## Screen Design

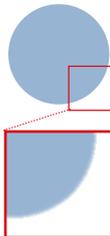
### Choose from abundant and beautiful parts

Updated

#### Library

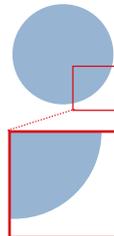
**NEW** Many new parts in vector format have been added. Vector parts can be specified in full color, and their quality remains consistent even when zoomed in and out. Even if you enlarge the parts, the size of the project data will not change.

**Before** Raster format



Zoomed in

**NEW** Vector format



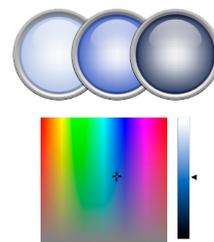
Zoomed in

With the vector format, edges are displayed with clean lines regardless of size

**Before** Raster format



**NEW** Vector format



With the vector format, colors can be specified in full color

### Design efficiently with batch editing

Updated

#### Data Browser

- Various settings within the project can be displayed collectively and edited directly. This allows efficient review and modification of data, even if there are many screens or settings.
- **NEW** By changing and switching the display items of the data browser using presets, you can design efficiently. For example, you can switch to a screen-specific preset when editing screen settings, and to a text-specific preset when modifying text settings. Users can also create custom presets.

#### » Presets for screens

Item	Screen	Screen Group	Title	Detailed Description	Security	Individual Setting of Scre...	Background Color Specif...	Background Color
Base Screen	B-20000	1_Parameter Setting	Basic	This screen allows setting...		( ) Yes	Yes	
Base Screen	B-20010	1_Parameter Setting	Gain/Filter	This screen allows setting...		( ) Yes	Yes	
Base Screen	B-20020	1_Parameter Setting	Extension	This screen allows setting...		( ) Yes	Yes	
Base Screen	B-20030	1_Parameter Setting	I/O	This screen allows setting...		( ) Yes	Yes	
Base Screen	B-20040	1_Parameter Setting	Extension 2	This screen allows setting...		( ) Yes	Yes	
Base Screen	B-20050	1_Parameter Setting	Extension 3	This screen allows setting...		( ) Yes	Yes	
Base Screen	B-20060	1_Parameter Setting	Motor Extension	This screen allows setting...		( ) Yes	Yes	

#### » Presets for texts

Design efficiently by switching the presets

Item	Text (Up)	Text (Down)	Text (Center)	Text (Left)	Text (Right)	Group No.	Comment No.	Comment	Font	Font Size	Font ...	Lock aspe...	Text Color	Solid Color	KANUI Regi...	OFF-ON
[ ] Switch [State OFF] (Action1)						245	203	Extension	UD Gothic	20	100					No
[ ] Switch [State OFF] (Action1)						245	211	I/O	UD Gothic	20	100					No
[ ] Switch [State OFF] (Action1)						245	212	Extension 2	UD Gothic	20	100					No
[ ] Switch [State OFF] (Action1)						245	213	Extension 3	UD Gothic	20	100					No
[ ] Switch [State OFF] (Action1)						245	214	Motor Extension	UD Gothic	20	100					No
[ ] Switch [State OFF] (Action1)						245	215	Positioning	UD Gothic	20	100					No
[ ] Switch [State OFF] (Action1)						245	216	Network	UD Gothic	20	100					No

## Enhanced copy function

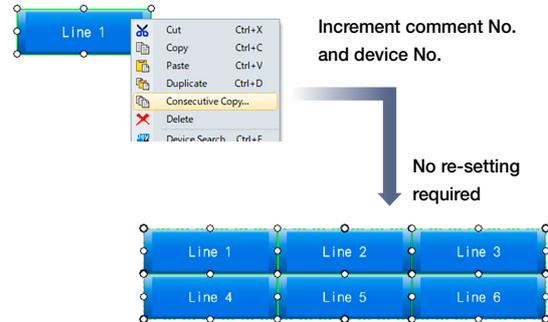
Updated

### Consecutive Copy

- Multiple figures and objects can be copied at once.
- When copying, information such as device numbers can be incremented based on the original data, reducing the effort of reconfiguration.

[Increment-Supported Items]

- » Device Number
- » Comment No.
- » Comment No.
- » User ID
- » Move Destination ID
- » **NEW** Array Element Count



## Efficient scripting

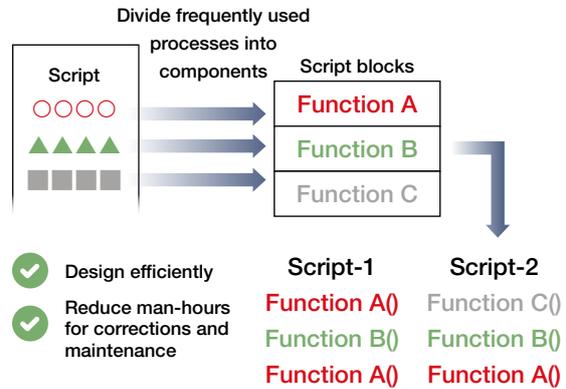
NEW

### Script Block

A process can be divided into reusable components (blocks). By using these script blocks, development becomes more efficient.

Script:

A programming language similar to C language, capable of controlling the display of GOT.



## Debug

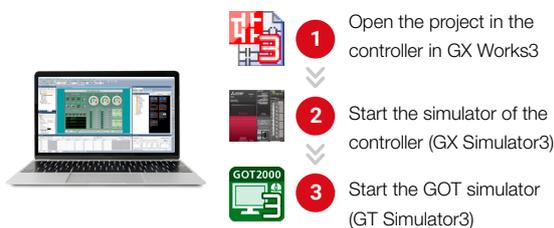
## Debug from your desk even without GOT unit

Updated

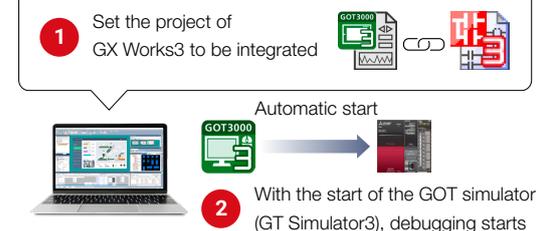
### Simulator (GT Simulator3)

- Operations of GOT can be simulated on a computer using the simulator (GT Simulator3).
- By specifying the project of the controller to be integrated in advance in the GOT project, the simulator of the controller (GX Simulator3) will automatically start when you start the GOT simulator (GT Simulator3), allowing you to begin debugging immediately.

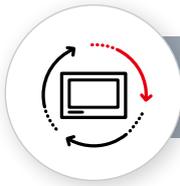
Before Without link



NEW With link



Once integrated, project data is automatically integrated every time.



## Reuse

### Reuse to reduce design man-hours

Add-on projects (sample screens) ready for immediate use are provided, featuring designs with excellent visibility and usability.

Add-On Project for Connections		
Servo amplifier connection	<b>GOT Drive</b>	→ P.36
Inverter connection	<b>GOT Drive</b>	→ P.38
Robot connection	<b>GOT Drive</b>	[Coming soon]
Other Mitsubishi FA devices connection		
Non-Mitsubishi FA devices connection		

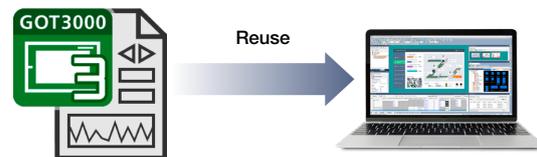
Add-On Project for Functions
Camera (live display, recording, playback)
Screen design examples (logging, graphs, alarms)

\* For the latest add-on projects, please contact your local sales office.

### Reuse the project assets easily

#### Utilize Data

Project data for GOT3000 is reusable on a project or screen basis.



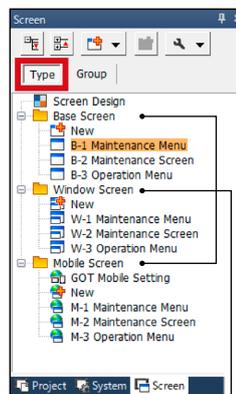
## Management

### Manage projects easily

#### Screen Tree

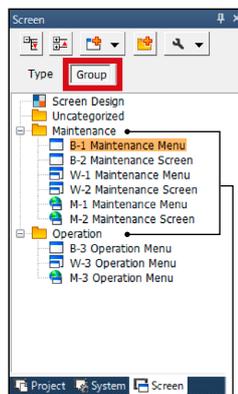
- It is possible to display a list of created base screens, window screens, and mobile screens, and to create new ones or edit existing ones.
- NEW** Group related screens together to keep the project organized.
- NEW** Multiple screen selection through mouse operation is supported. In group display, screen groups can be changed by drag and drop.

Display by screen types



Displayed by base screen, window screen, and mobile screen

Display by screen groups



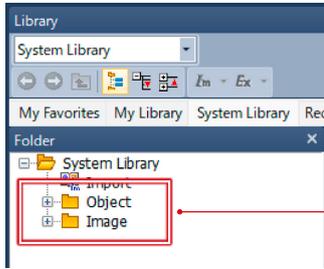
Grouped by maintenance, operation, and other categories

Display by switching tabs

# Recommended parts for easily creating beautiful screens

**NEW** Parts Library

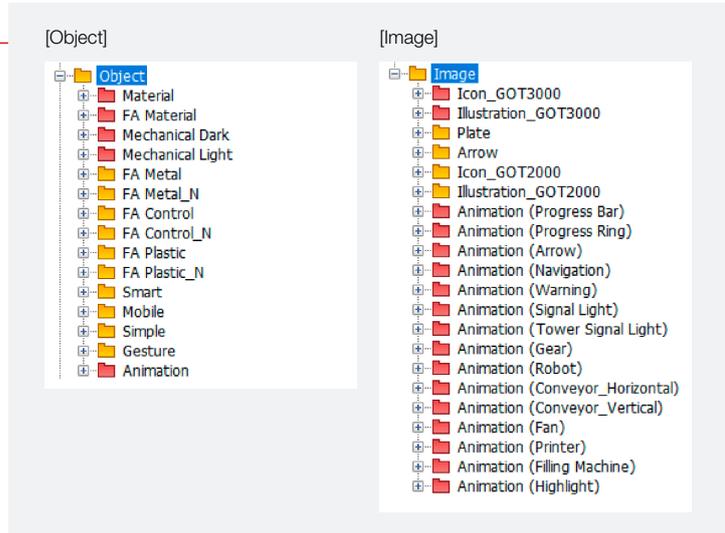
The drawing software GT Designer3 features a variety of beautiful parts stored in its system library.



Utilize easily from [Objects] or [Images] in the system library

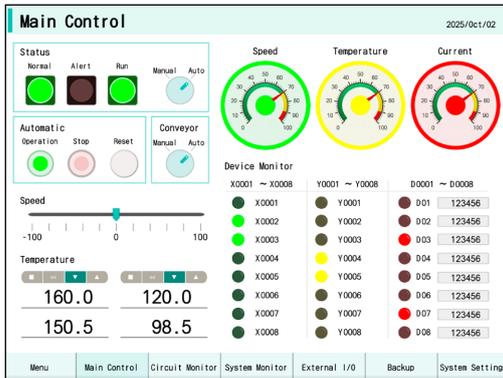
Icon descriptions

-  GOT3000 only (Vector format)
-  GOT3000/GOT2000 (Raster format)



## Examples of screen design utilizing new parts

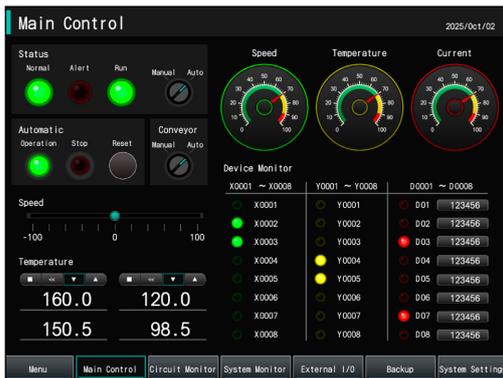
● **Material**



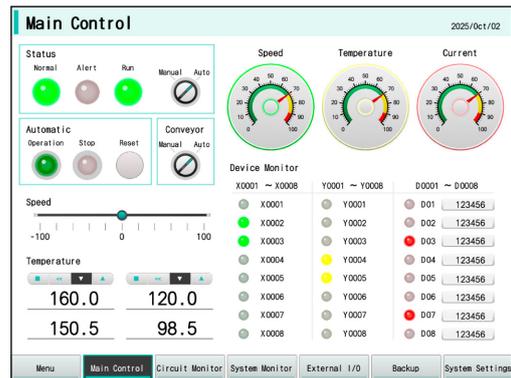
● **FA Material**



● **Mechanical Dark**

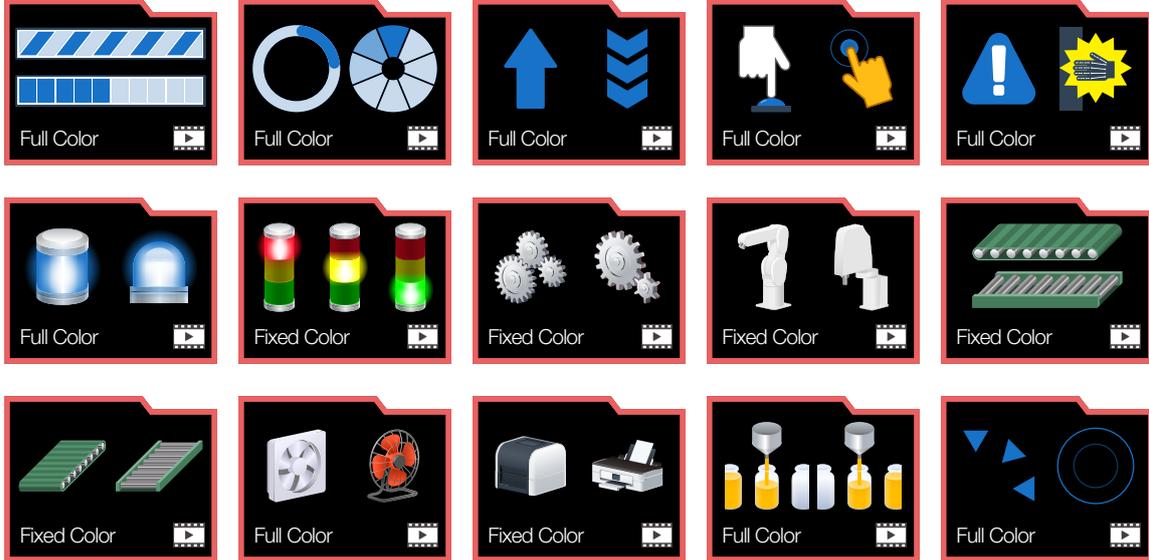


● **Mechanical Light**



## Other new parts examples

### ● Frame Animation\*

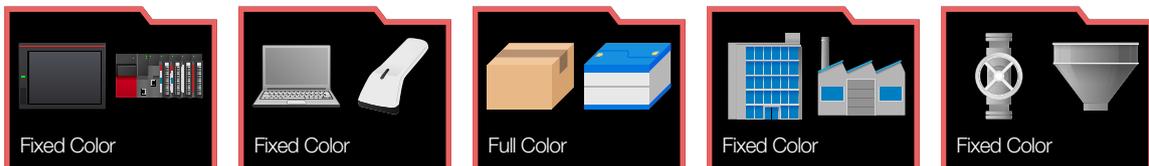


\* Animation files (PNG, APNG, GIF), in addition to frame animations stored in the library, can also be placed on the screen.

### ● Icon\_GOT3000



### ● Illustration\_GOT3000



Icon descriptions

**Full Color**

Full Color  
[Some parts are fixed in color]

**Fixed Color**

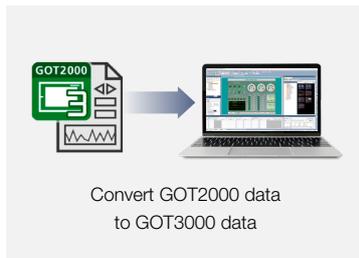
Fixed Color

## Effortless machine upgrades reusing screen assets



Easily Replaceable Without Spending Many Man-Hours

Project data for GOT2000 is reusable



The panel cut dimensions of the replacement model are compatible



Extension units\*1 and connection cables\*2 are reusable



\*1 An additional extension interface conversion unit (GT37-IF2000) is required.

\*2 When using an RS-232 cable with the built-in interface of the GOT, an additional RS-422-232 connector conversion cable (GT35-C02HR2-9P) is required.

### Benefits of Replacement

- The high-quality display enhances visibility and information accuracy.
- Enhanced functionality allows for the adjustment and monitoring of controllers without a computer, improving maintainability.
- Faster monitoring response, communication, and startup.
- Gain peace of mind with many security features.

### Panel cut compatibility with GOT2000 series

GOT3000 series has the same screen size and panel cut dimensions as the GOT2000 series, so no changes to the mounting holes are necessary.

GOT3000 Series		GOT2000 Series	
GT37 Wide	15.6" widescreen	GT3715-FHCBD	—
	12.1" widescreen	GT3712-WXCBD	Same dimensions as GT2712 and GT2512-S.
GT37	15"	GT3715-XRBA, GT3715-XRBD	Same dimensions as GT2715.
	12.1"	GT3712-XRBA, GT3712-XRBD	Same dimensions as GT2712 and GT2512-S.
	10.4"	GT3710-XRBA, GT3710-XRBD	Same dimensions as GT2710, GT2510-V, and GT2310.
	8.4"	GT3708-XRBA, GT3708-XRBD	Same dimensions as GT2708, GT2508, and GT2308.

Regarding the replacement, there are some precautions.  
For details, please refer to the technical bulletin No.GOT-A-0239.





# GOT Solutions

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#### Interactive Solutions

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GOT Solutions

# Remote Solutions

Improve work efficiency from startup to maintenance with remote monitoring.



## Monitor according to your requirements

Monitor the site with remote visualization solutions suited for your application.

### Application examples

Startup and Adjustment	Operation	Maintenance
<p>Adjusting the equipment remotely, away from the control panel</p>	<p>How is the site? Any problems?</p> <p>Computer + Large monitor</p> <p>Visualizing with a large screen</p>	<p>Equipment error! How do we recover?</p> <p>Checking from remote locations</p>
<p>Multiple people working simultaneously</p>	<p>Is the production going well?</p> <p>Checking from the office</p>	<p>Equipment recovery while consulting the manual on the computer</p>

### Remote monitoring comparison

●: Supported —: Not supported

Item	Monitor and operate GOT3000 or GT SoftGOT3000 from a computer or a mobile device			Monitor the devices connected to GOT from SoftGOT
	GOT Mobile Function		VNC Server Function	SoftGOT-GOT Link Function
	GOT	SoftGOT		
Simultaneous Client Connections	Max. 5	Max. 15	1	Max. 7 (when using the GOT network interaction function)
Display Different Screens for each Client	●	●	— Display GOT screen as is	●
Simultaneous Operation Prevention (Exclusive Control of Operational Authority)	●	●	●	●
Screen Creation for Remote Monitoring	Required*1		Not required	Not required
Viewing Application	Web browser		VNC viewer*2	SoftGOT
License	Register to GOT	Register to SoftGOT	Register to GOT	Register to SoftGOT*3

\*1 The screen is created using GT Works3 (GT Designer3). Screens designed for GOT are reusable.

\*2 Regarding the VNC client software that has been operation-verified, please refer to the technical bulletin No.GOT-A-0234. >>

\*3 GT SoftGOT3000 license is required.

Technical Bulletin



# Remotely monitor the site using web browser



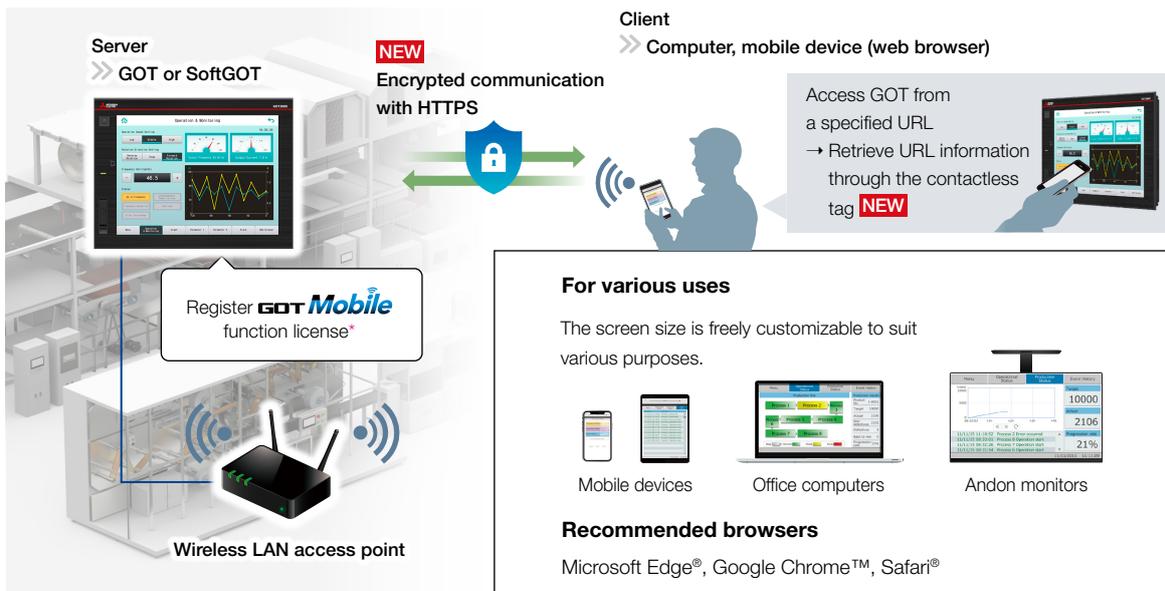
Updated

**GOT Mobile**

License required

- The equipment can be monitored and operated through a web browser on a computer or a mobile device.
- Monitoring the equipment through a web browser eliminates the need for specific software applications or hardware. This allows the system to be built without incurring additional costs.

## System configuration



\* By registering one license on GOT or SoftGOT, GOT can be simultaneously connected by up to 5 clients, and SoftGOT can be simultaneously connected by up to 15 clients.

## Notifications by Sound and Vibration



### Mobile application Pocket GOT

- This is a mobile app for GOT. When installed on a mobile device, the app sends push notifications with sound or vibration if an error occurs in the monitored GOT. Important information won't be missed.
- With GOT, you can easily build a system that notifies of errors.
- In the mobile app Pocket GOT, you can register up to 20 GOTs to be monitored.

### Achieved at no cost by using the free app

**The app notifies you of any errors**

Three types of push notification

- Vibration
- Sound
- Banner

Can be received even on smartwatches

**GOT Mobile ERROR**

[Free] Download the mobile app here

GET IT ON Google Play

Download on the App Store

## Easy monitoring with the same screen as GOT

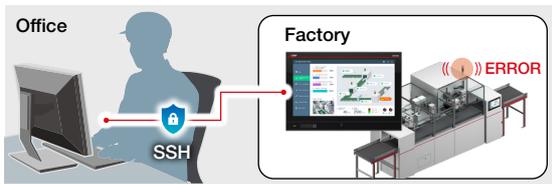
Updated

### VNC Server

License required

- The GOT screen at a remote site can be displayed and operated as it is on a computer or a mobile device. There is no need to create a separate display screen.
- The GOT screen can be checked directly from the office when a problem occurs, allowing the on-site situation to be quickly understood and promptly addressed.
- **NEW** SSH port forwarding communication is supported, enabling more secure remote access through an encrypted communication route.

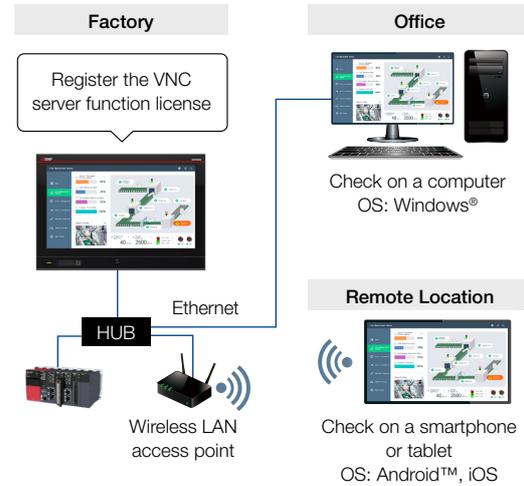
#### Remote monitoring from the office



#### Remote monitoring from outside the cleanroom



#### System configuration



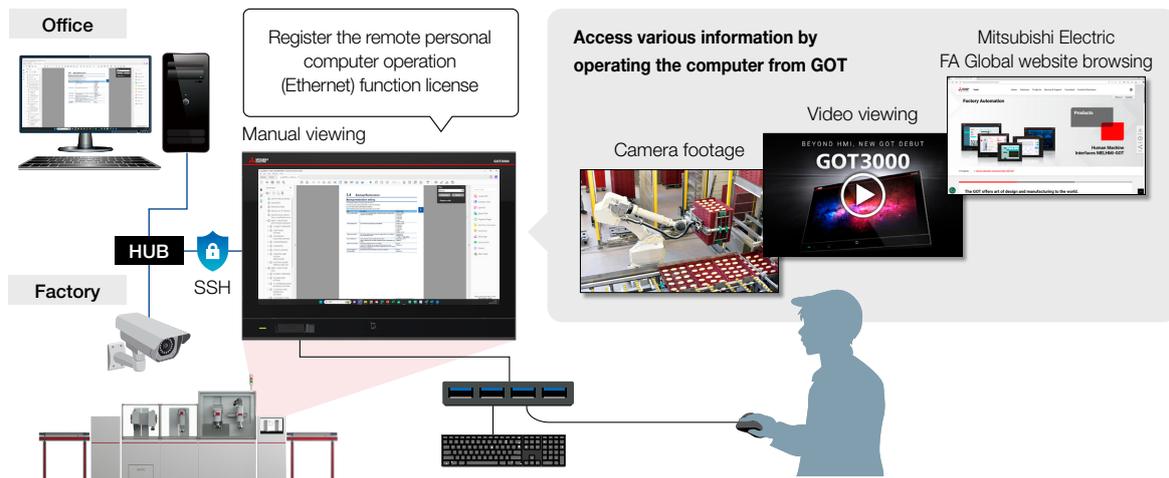
## Access computer information from GOT

Updated

### Remote Personal Computer Operation (Ethernet)

License required

- The computer can be remotely operated from GOT, making manuals and drawings in the computer accessible at the production site.
- When a problem occurs, you can refer to the recovery manual on the computer to proceed with recovery work, enabling swift troubleshooting.
- **NEW** SSH port forwarding communication is supported, enabling more secure remote access through an encrypted communication route.



Manage both GOT and production sites from your computer

# HMI Software

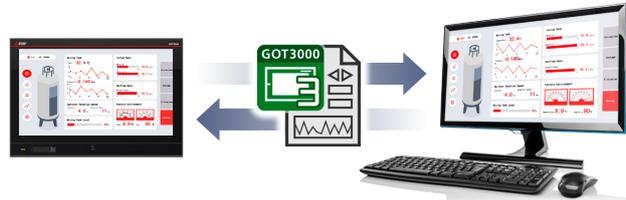
## GT SoftGOT3000 License required\*

\* A license key (for the USB port) is no longer needed.  
The license is now registered electronically.



### What can be done with GOT can also be done on your computer

- Production line monitoring is possible on a computer with a screen equivalent to GOT.
- Similar to the GOT screen, the screen is created using GT Works3. Furthermore, project data for GOT can be converted for use on different models.

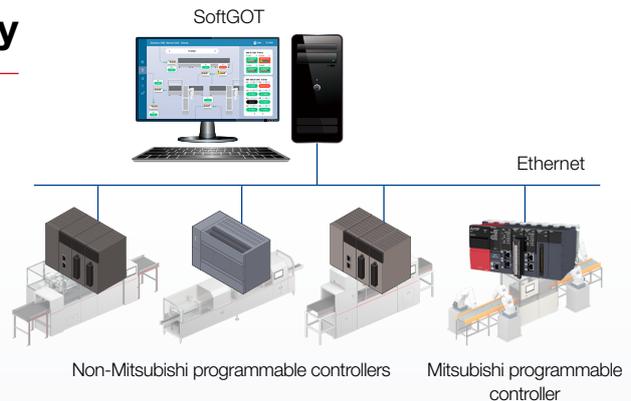


→ For the supported functions, see "Function List" on page 40.

### Monitor multiple lines integrally

#### Multi-Channel Connection

- Information from multiple lines can be checked and centrally monitored on a single computer.
- One SoftGOT can connect to up to four-channel controllers.

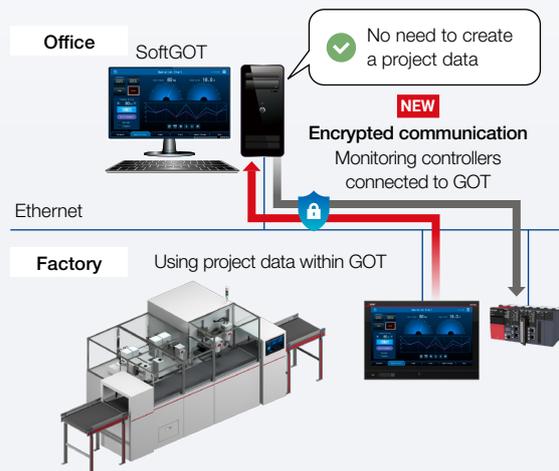


With GOT On-Site

### Monitor via the same screen as the on-site GOT

#### Upgraded SoftGOT-GOT Link

- If there is a GOT on-site, SoftGOT can use the on-site GOT data for remote monitoring.
- The use of the data from the on-site GOT eliminates the need to create screens for SoftGOT.



GOT Solutions

# Maintenance Solutions

Reduce man-hours with the various functions that support maintenance work.

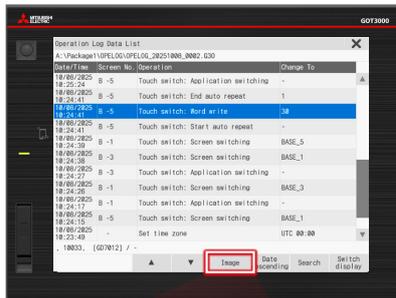


## Enhanced traceability enables quick troubleshooting

### Operation Log

Check details of what, when, and how operations were performed on GOT.

#### Operation Log List



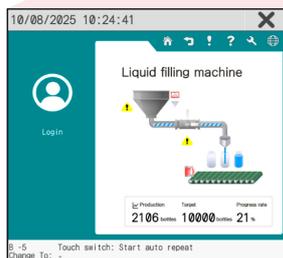
Touch the row of the operation log you want to check

More details

#### Detailed Information

Detailed information	
Date/Time	10/08/2025 10:24:41
Function	TSW_DAT
Touch switch:	Word write
Screen No.	BASE_5
Operation	. 10033,
Operator	- (ID: 0)
User ID	-
Action No.	1
Data Type	BIN16_Unsigned
Device	GD7012
Change To	30
Change To(Op.)	30
Change From	20
Chng From(Disp)	20

"When, what, and how" operations were performed can be checked



Screen image window

#### Operator authentication makes operation tracking smoother



→ See page 15 for operator authentication

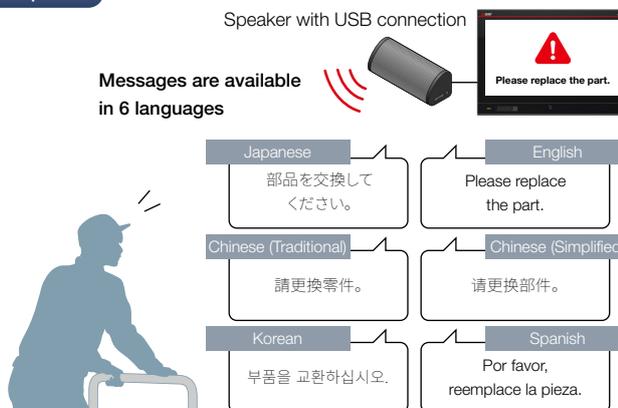
## Information is conveyed more effectively through audio

### Sound Output

#### Speech Synthesis (GT Designer3)

License required

- Operators can be notified with a voice alert when an event occurs in the equipment. In addition to visual notifications, voice alerts help deliver instructions to operators when action is required.
- Melodies or custom messages will be played depending on the situation.



## Convenient access for machine maintenance

### FA Transparent

- Use GOT as a pass-through connection to access controllers inside the control panel.
- There is no need to open the control panel to connect the computer to the controllers.

✓ Access, start, and adjust each FA device from GOT



## Retain important information even without a battery

NEW

### Equipped with Non-Volatile RAM

No battery is required to retain data such as logging data and alarm data.\*

\* A battery GT11-50BAT (sold separately) is required for backing up clock data.

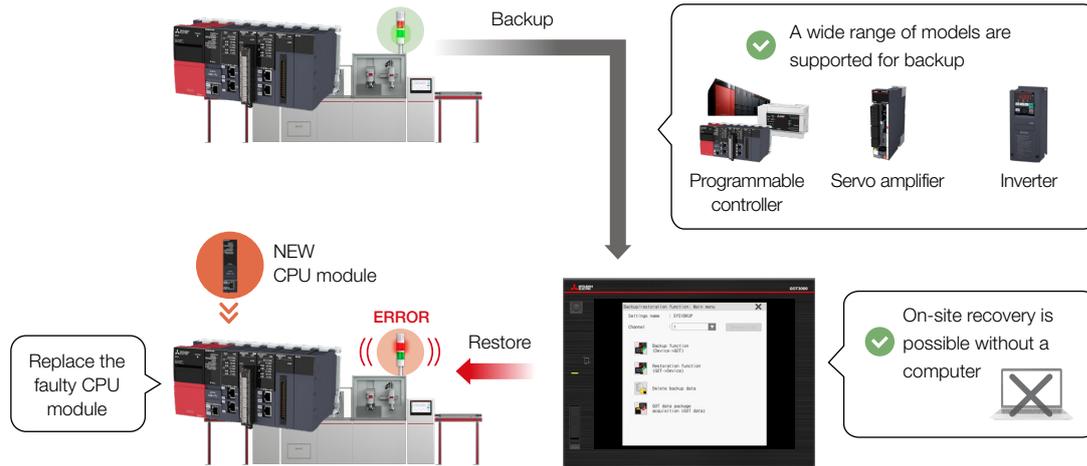
Important data is retained



## Quick recovery with on-site GOT, no computer needed

### Backup/Restore

- GOT can backup/restore program and parameters of connected controllers.
- When replacing equipment due to failure, restore the backed-up data using GOT to quickly return the machine to operating condition.

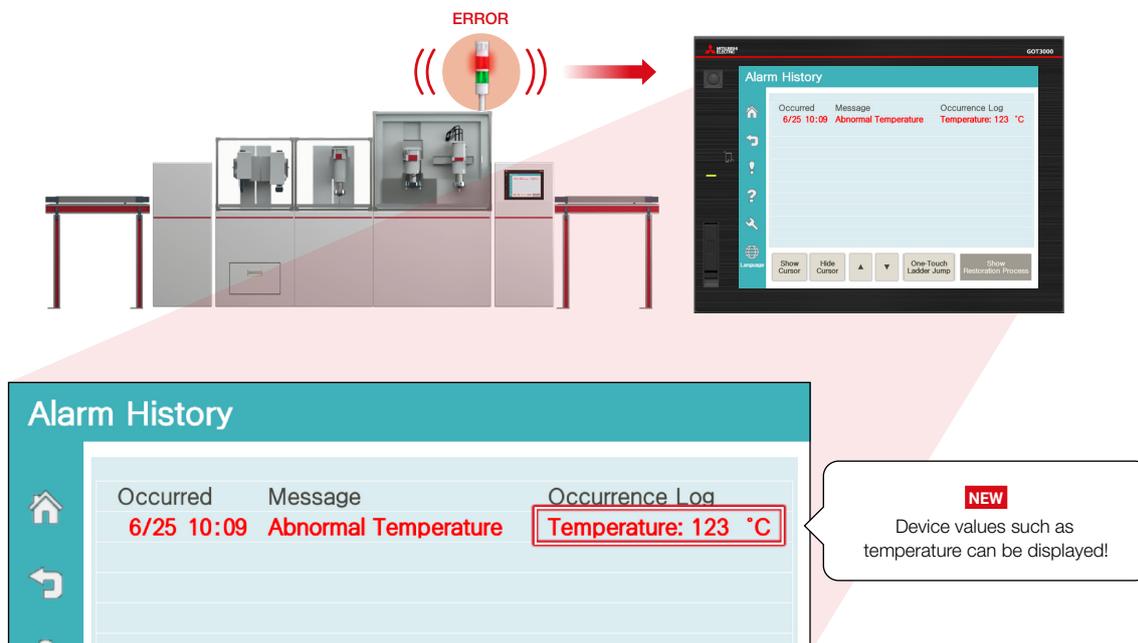


## Detailed information can be displayed when an alarm occurs

Upgraded

### Alarm Display

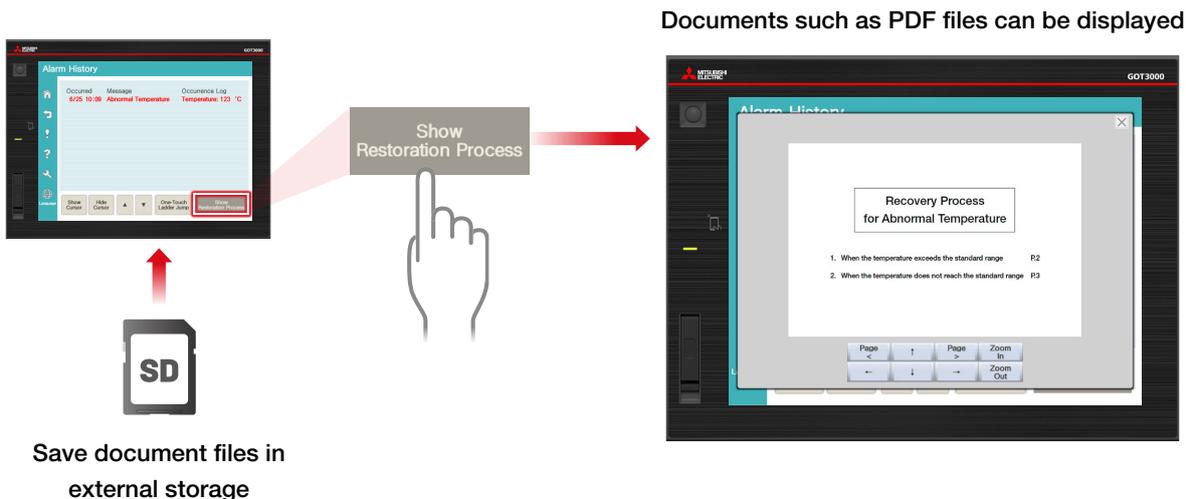
- User-defined alarms (user alarms) can be displayed and checked on GOT.
- **NEW** Process information, including device values at the time of alarm occurrence, can be collected and displayed.



# Recovery manuals can be displayed on GOT

## Document Display

- Documents (PDF/Document Converter output file) such as manuals can be displayed on GOT.
- You can display specifications or manuals as documents to assist with troubleshooting or to check operation procedures while monitoring.



# Video manuals can be played using GOT

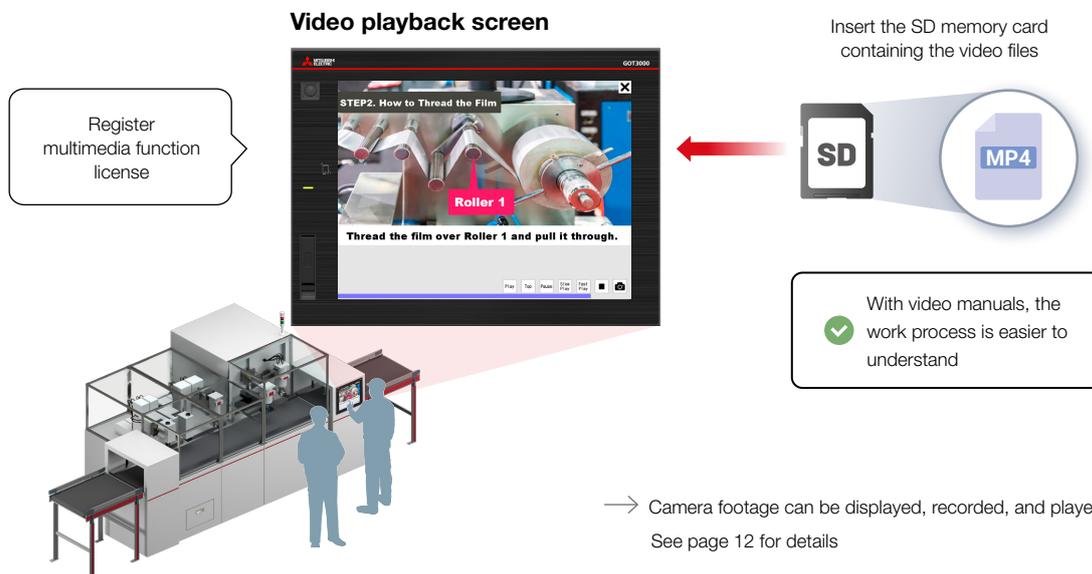
NEW

## Digital Image Recording and Playback (File Playback)

License required

- Videos (MP4) can be played back on user-created screens.\* They can be controlled using the configured touch switches placed on the screen.
- Video manuals can be played back on the on-site GOT, enabling rapid training and task standardization. This approach enhances operational efficiency, even in environments with high turnover of workers and small-batch production.

\* Audio playback is not supported.



GOT Solutions

# MELSEC

## Interactive Solutions

Enhance maintenance work efficiency by checking the status of the programmable controller without a computer.

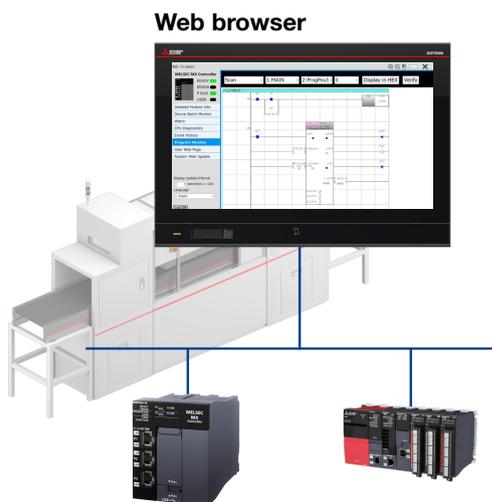


## Quickly view the programmable controller status on site during trouble

NEW

### Web Browser

- The web server information of the programmable controller can be displayed and checked on GOT.
- The error details of the controller, program operation status, and device status can be checked on the GOT's web browser without a PC, allowing for quick initial assessments during trouble.



Web browser

CPU diagnostics					
MELSEC MX Controller	No.	Occurrence Date	Status	Error Code	Overview
READY	2	2025-08-21 14:54:48	Moderate	2820	Device, label, or buffer memory specification error [Detail]
ERROR					
P RUN					
USER					
Detailed Module Info					
Device Batch Monitor					
Watch					
CPU Diagnostics					
Event History					
Program Monitor					
User Web Page					
System Web Update					
Display Update Interval					
Language					
Log Off					

Error history and the causes for each error can be checked.

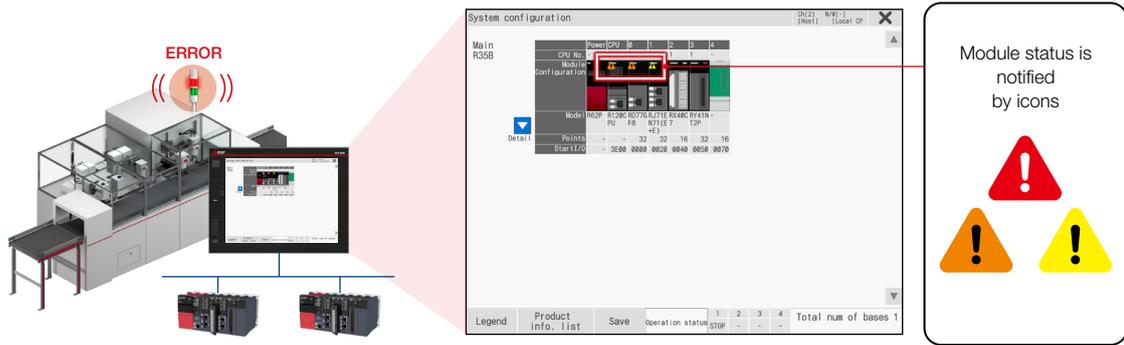
Program monitor	
(MELSEC MX Controller MX-R model only)	
MELSEC MX Controller	Scan: 1:MAIN 2:ProgPou1: 0 Display in HEX Verify
READY	
ERROR	
P RUN	
USER	
Detailed Module Info	
Device Batch Monitor	
Watch	
CPU Diagnostics	
Event History	
Program Monitor	
User Web Page	
System Web Update	
Display Update Interval	
Language	
Log Off	

The ON/OFF status of contacts and coils, the current values of devices/labels, and the inputs/outputs of FB/FUN can be checked.

# Quickly identify programmable controller module errors

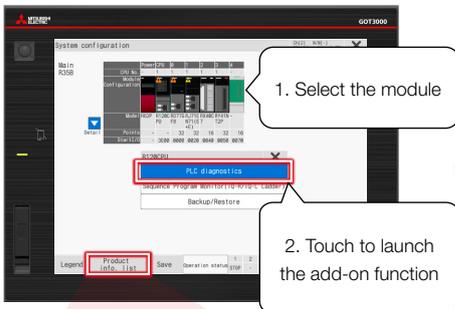
## System Launcher

The system configuration of the programmable controller connected to GOT can be checked graphically. You can confirm the product information, such as the serial numbers of each unit, without a computer with a dedicated engineering tool installed.

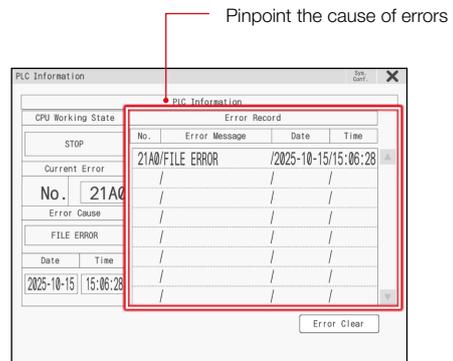


## Quickly identify the cause of module troubles!

Launch the corresponding add-on function from the System Launcher (System Configuration)



More details

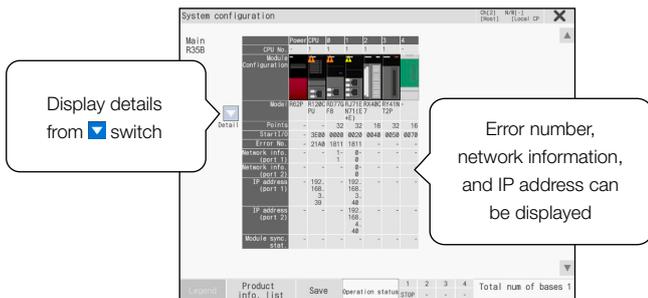


PLC diagnosis screen

## Consolidate important information on a single screen to grasp the entire situation!

Slot	Model name	Ver	Production information
Power	R62P	-	00022414C0210281
0	R120CPU	66	50177605A0410081
1	RD77GF8	05	
2	RJ71EN71 (E+E)	21	21144B1460110861
3	RX40C7	-	0007513010011651
4	RY41NT2P	-	0007391415110071
Empty			

Product information for the module is listed and can be exported to a CSV file.

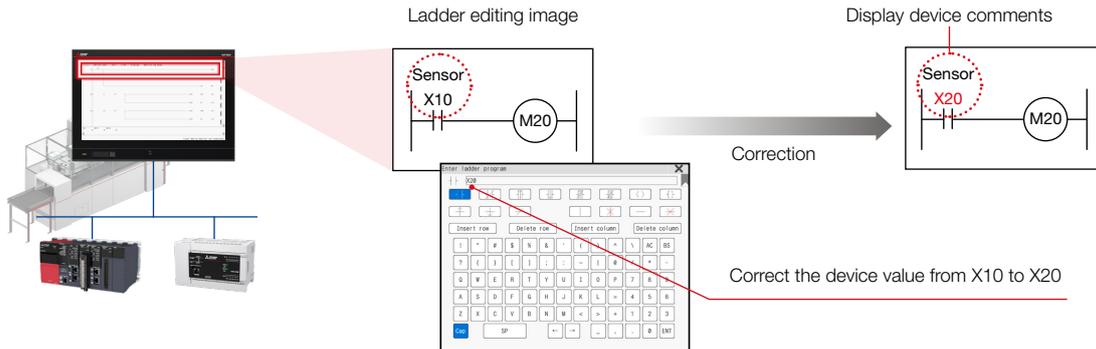


Displays the detailed configuration of the target base.

# Check programmable controller errors in ladder format

## Sequence Program Monitor

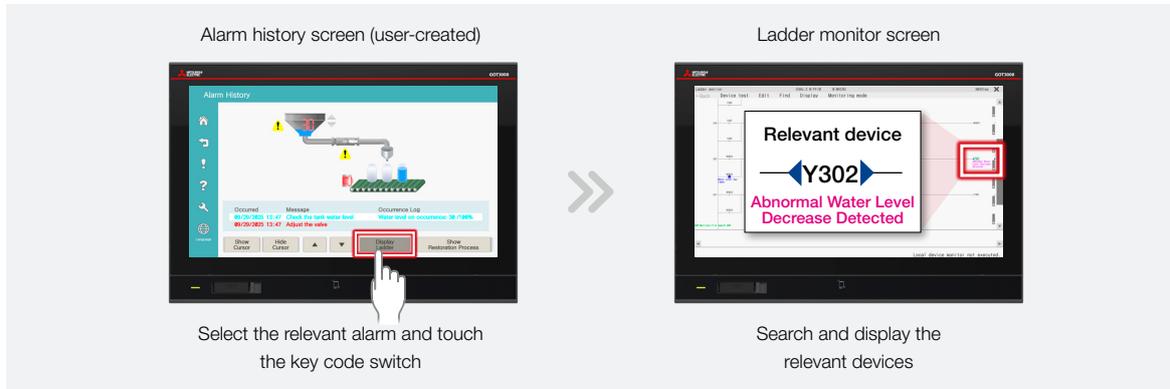
- When an error occurs, identify the cause or equipment's error by checking the sequence program in a ladder diagram format on GOT.
- Modifying the device current values and ladder program editing is also supported.



Quickly identify the cause of the trouble!

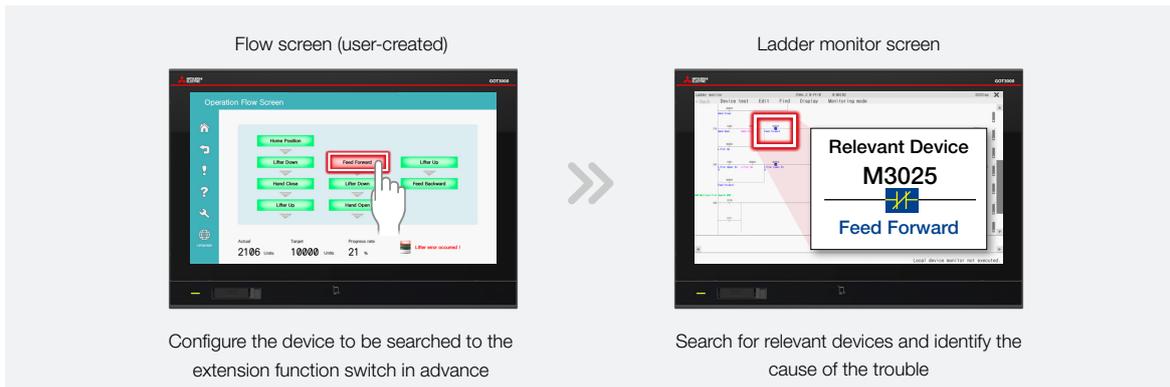
### Integration with alarm display

Start Sequence Program Monitor (ladder display) from the relevant alarm information and search for relevant devices.



### Integration with extension function switch

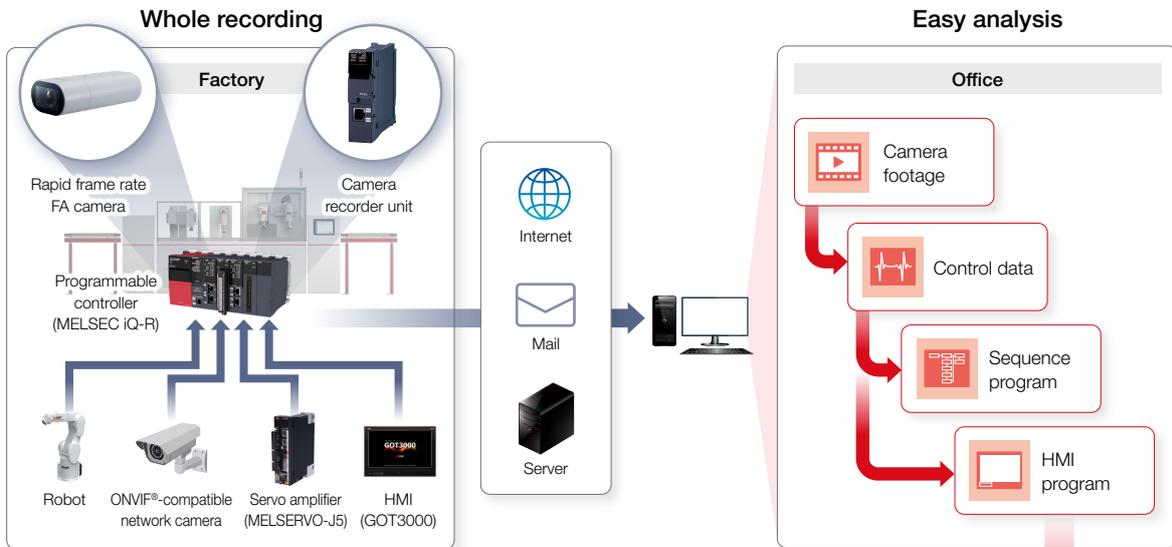
By configuring the switch to jump to the specific device, the device can be searched and displayed.



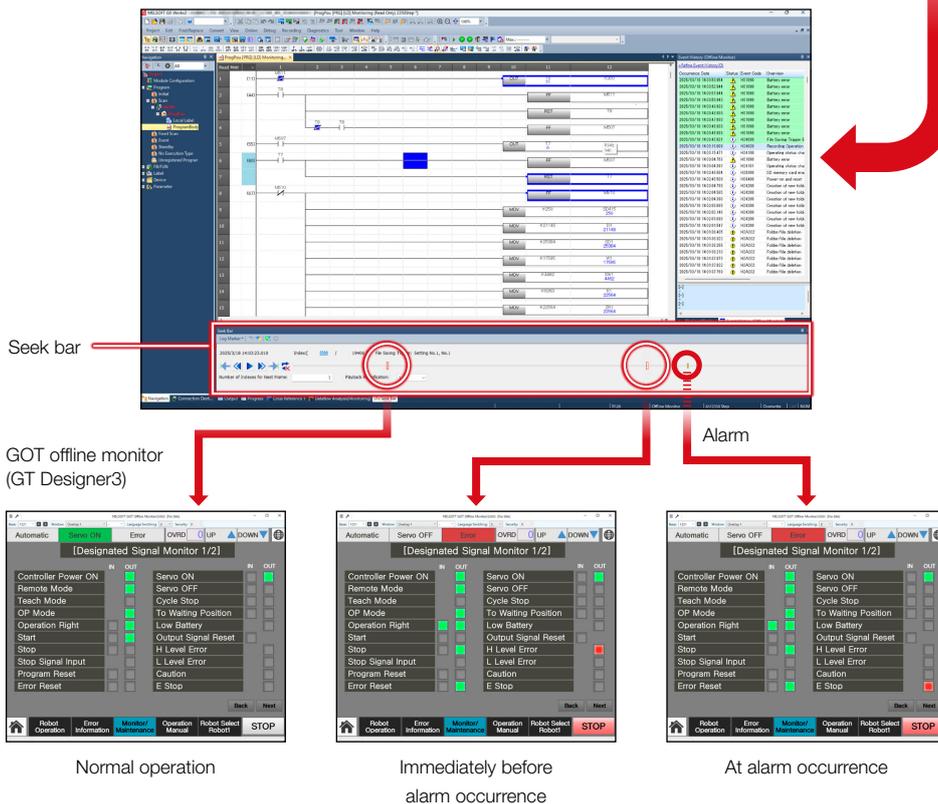
# The alarm situation can be reproduced at the desk

## Offline Monitor (Utilization of System Recorder Data)

- The device values recorded by the system recorder (recording files) before and after a trouble occurrence can be displayed and checked graphically on a PC monitor.
- By reproducing the operation screen and program status at the specified time according to the seek bar in GX Works3, you can synchronize the operation with the equipment status, allowing for quick identification of the cause of the trouble.



### Offline monitor (GX Works3)



# GOT Solutions GOT Drive Control Interactive Solution (Servo)

Enhance work efficiency from startup to maintenance by checking the status of the servo system without a computer.



**GOT Drive**

## Monitor and configure multiple servo amplifier axes with a single GOT

Previously, the servo settings were configured, adjusted, and diagnosed using

**MR Configurator2** Computer



- » Computer was required
- » Connecting to the servo amplifier was troublesome

Now, these tasks can be handled using

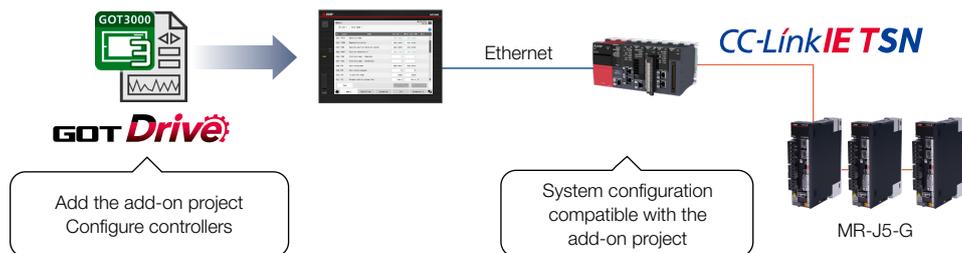
**GOT Drive**



- ✓ Configure, adjust, and diagnose multiple axes using a single GOT\*
- ✓ Work can be done immediately on-site

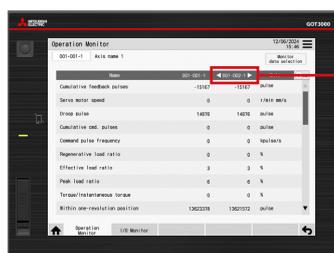
\* Supports some of the functions of MR Configurator2.

## Immediately available with the add-on project (sample screen)

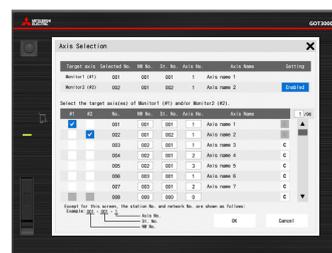
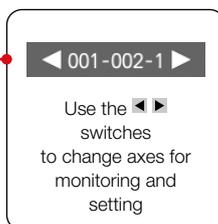


### **NEW** Multiple axis monitoring is supported

Parameters for multiple axes can be monitored and set on a single screen.



Monitoring and setting of multiple axes



Register monitoring target (MR-J5-G: Up to 768 axes)

- MELSERVO-J5 >>MR-J5-G(4) **Add-on project (Multiple axis monitoring)** **NEW**
- >>MR-J5W-G **Add-on project (Multiple axis monitoring)** **NEW**
- >>MR-J5D-G4 **Add-on project**
- >>MR-J5-B(4) **Add-on project**
- >>MR-J5W-B **Add-on project**

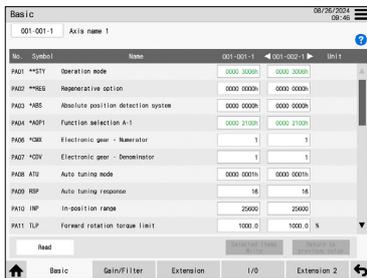
- MELSERVO-J4 >>MR-J4-B(4)-(R-J) **Add-on project**
- >>MR-J4W-B **Add-on project**
- >>MR-J4-A(4)-(R-J) **Add-on project**

\* If the model doesn't have an add-on project, users can create their own screens for monitoring and setting.

## Startup and adjustment

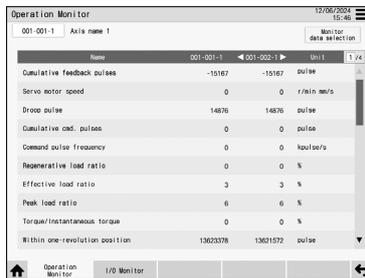
### Parameter settings

Display and edit the servo amplifier parameters.



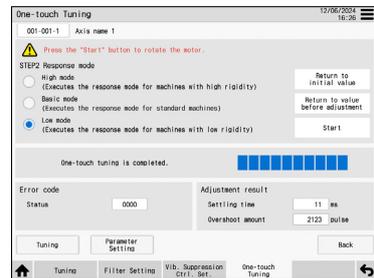
### Monitoring

Check the status of the operating servo amplifier.



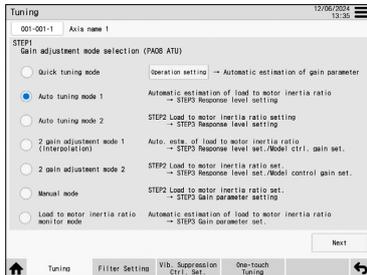
### One-touch tuning

Adjust the servo gain according to machine characteristics by simply turning on one-touch tuning function.



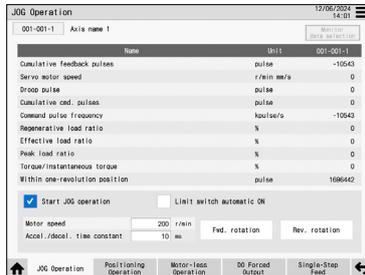
### Tuning

In addition to automatic tuning, manually fine-tune the control gain for better performance.



### Test operation

Ensure proper machine functioning before it goes to full operation.

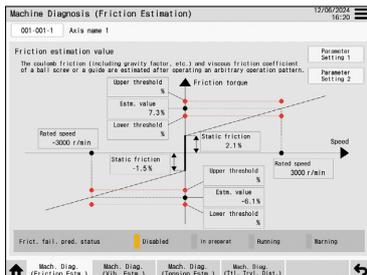


## Maintenance

**Predictive maintenance**

**Machine diagnosis**

Check the failure predictions diagnosed by the servo amplifier.



**Preventive maintenance**

**Life diagnosis**

Check the estimated time for servo amplifier repair or replacement. Diagnostic results for multiple axes can be batch output for later review.

**Life Diagnosis**

Displays cumulative control power-on time after shipment.

120 h = 0.01 year(s)

Displays the number of inrush current switching times after shipment.

28 times

Warning	Name	LifeSpan	Details
Green	Smoothing capacitor	100 %	Estimated lifespan: Approx. 10 years
Green	Cooling fan	100 %	Estimated lifespan: Approx. 50,000 to 70,000 hours
Green	Inrush relay	100 %	Estimated lifespan: Approx. 100,000 times

The target lifespan is displayed. Actual lifespan varies depending on usage method and environmental conditions. When target lifespan is reached, replacement should be done, even if no error is found.

**Corrective maintenance**

**Alarm display**

Examine the active alarms of the servo amplifier. The alarm history can be also reviewed. Alarm details can be checked by displaying the manual.

**Alarm Display**

Current alarm

No.	Name	Manual
AL.010-1	Under voltage	View

Alarm history

No.	Name	Occurrence time	Manual
1	AL.010-1	2025/07/17 19:29:32	View
2	AL.020-3	2025/07/17 19:29:18	View
3	AL.010-1	2025/07/17 19:29:11	View
4	AL.000-0	No Alarms	View
5	AL.000-0	No Alarms	View
6	AL.000-0	No Alarms	View
7	AL.000-0	No Alarms	View
8	AL.000-0	No Alarms	View

All the screens above are the sample screens for MR-J5-G and MR-J5W-G. As updates are made regularly, the screens may differ from those in this catalog, and some function screens are not presented here.

For the latest add-on projects, please contact your local sales office.

# GOT Solutions GOT Drive Control Interactive Solution (Inverter)

Enhance work efficiency from startup to maintenance by checking the status of the inverter without a computer.



## GOT Drive

## Monitor and configure multiple inverters with a single GOT

Previously, the inverter settings were configured using the operation panel (on the inverter)

FR Configurator2 Computer



- » Each unit had to be configured individually
- » Connecting to the inverter was troublesome

Now, these tasks can be handled using the operation panel (on the inverter)

FR Configurator2 Computer

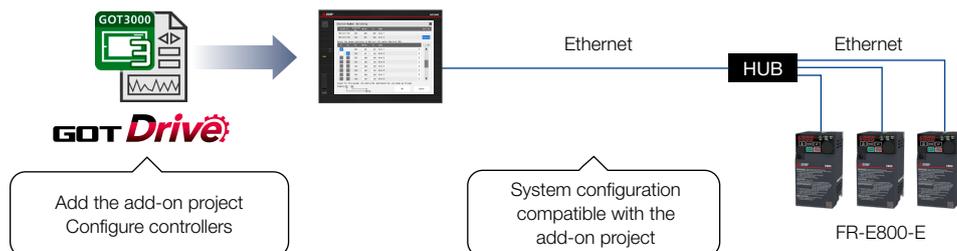
& **GOT Drive**



- ✓ Configure, adjust, and diagnose multiple units using a single GOT\*
- ✓ Work can be done immediately on-site

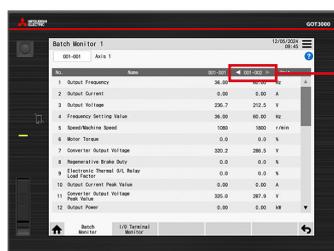
\* Supports some of the functions of FR Configurator2.

## Immediately available with the add-on project (sample screen)

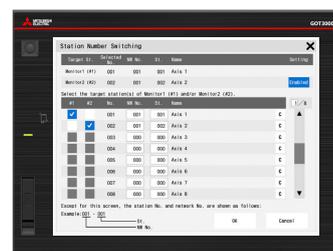
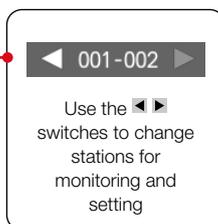


### NEW Multiple units monitoring is supported

Parameters for multiple units can be monitored and set on a single screen.



Monitoring and setting of multiple inverters



Register monitoring target (FR-E800-E: Up to 64 units)

»FR-D800(-E)

Add-on project (Multiple units monitoring)

NEW

»FR-A800-E

»FR-E800(-E)

Add-on project (Multiple units monitoring)

NEW

»FR-F800-E

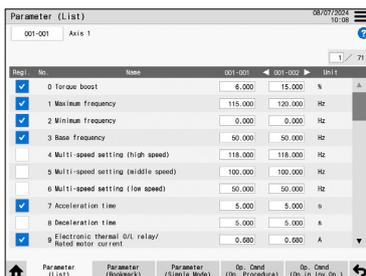
»FR-A800-E Plus

\* If the model doesn't have an add-on project, users can create their own screens for monitoring and setting.

## Startup and adjustment

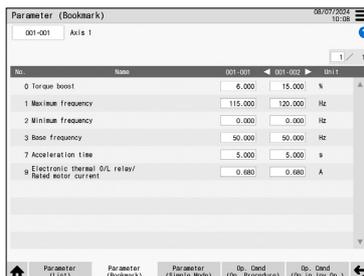
### Parameter settings

Display and edit the inverter parameters.



### Parameter settings (Bookmark)

Display and edit only the bookmarked parameters.



### Operation command

Operate the inverter by executing drive commands.



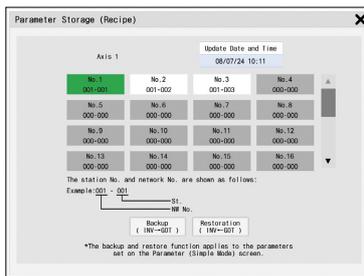
### Batch monitoring

Monitor inverter information collectively.



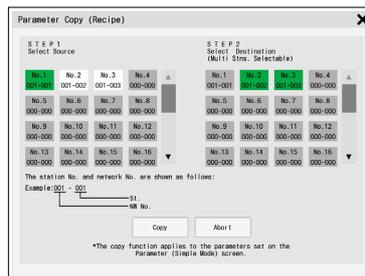
### Parameter saving

Save parameter information and restore it when necessary.



### Parameter copy

Copy the backed up parameter information to another inverter.

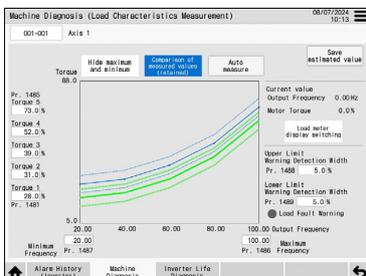


## Maintenance

**Predictive maintenance**

**Machine diagnosis (Load Characteristics Measurement)**

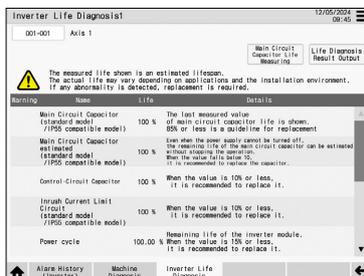
Verify the load conditions and fault detection diagnosed by the inverter.



**Preventive maintenance**

**Life diagnosis**

Check the estimated time for inverter repair or replacement. Diagnostic results for multiple units can be batch output for later review.



**Corrective maintenance**

**Alarm display**

Examine the active alarms of the inverter. The alarm history can be also reviewed. Alarm details can be checked by displaying the manual.

Symbol	Name	Output Frequency	Output Current	Output Torque	Prevention Time	Occurred At
1st E.ERR	Ethernet Communication Fault	0.00Hz	0.00A	0.0V	53h	2025/06/19 20:16:00
2nd E.ERR	Ethernet Communication Fault	0.00Hz	0.00A	0.0V	53h	2025/06/19 20:16:00
3rd E.ERR	Ethernet Communication Fault	0.00Hz	0.00A	0.0V	53h	2025/06/19 20:17:00

All the screens above are the sample screens for FR-E800-E. As updates are made regularly, the screens may differ from those in this catalog, and some function screens are not presented here.

For the latest add-on projects, please contact your local sales office.

# Function List

**NEW** GOT3000 only **Upgraded** GOT2000 compatible function enhanced **GT Works3 Version 1.410C or later**  
**f**: Security enhanced **●**: Supported **▲**: Supported only on certain models **—**: Not Supported

Category	Item		○: Required △: Conditionally required		GT37 Wide	GT37	GT SoftGOT3000	GT27	
			License	External storage					
Screen size	15.6" widescreen <b>NEW</b>				●	—	/	—	
	12.1" widescreen <b>NEW</b>				●	—		—	
	15"				—	●		●	
	12.1"				—	●		●	
	10.4"				—	●		●	
	8.4"				—	●		●	
	Resolution	Full HD 1920 x 1080 <b>NEW</b>				●	—	Long side: 640 to 1920	—
		WXGA 1280 x 800				●	—	Short side: 480 to 1200	—
		XGA 1024 x 768				—	●		▲
	Color	16 million colors <b>NEW</b>				●	●	●	—
Hardware specifications	Simultaneous press (2 points)				●	—	—	●	
	Human sensor				—	▲ GT3715-X and GT3712-X only	—	▲	
	Memory	User memory	RAM			768 MB		256 MB (GT2705-V: 80 MB)	
			ROM			256 MB		57 MB (GT2705-V: 32 MB)	
	Non-volatile RAM <b>NEW</b>					●	—	—	
	Built-in interface	RS-232/422/485				RS-232/422/485 x 1	Computer I/F required	RS-232 x 1, RS-422/485 x 1	
		Ethernet	Port 1			1000BASE-T, CC-Link IE TSN (Class A) supported	Computer I/F required	100BASE-TX	
			Port 2			1000BASE-T	—	—	
		Front USB (device/host) <b>NEW</b>				USB 3.2 gen1 x 1, USB Type-C	—	Device: USB 2.0 x 1, USB Mini B Host: USB 2.0 x 1, USB Type-A	
		Rear USB (host)				USB 3.2 gen1 x 1, USB Type-A	Computer I/F required	USB 2.0 x 1, USB Type-A	
Digital video output <b>NEW</b>				●	—	—			
SD memory card				●	Computer virtual drive	●			
Contactless tag <b>NEW</b>				●	—	—			
Extension I/F				●	—	●			
Screen design	Figure				●	●	●		
	Logo text				●	●	●		
	UD font <b>NEW</b>				●	●	—		
	Touch switch				●	●	●		
	Lamp				●	●	●		
	Numerical display, Numerical input				●	●	●		
	Text display, Text input				●	●	●		
	Date display, Time display				●	●	●		
	Comment display			△	●	●	●		
	Parts display			△	●	●	●		
	Frame animation <b>NEW</b>				●	●	—		
	Historical data list display			△	●	●	●		
	Alarm display	Alarm display (user)		△	●	●	●		
		Alarm display (system)		△	●	●	●		
		Simple alarm display			●	●	●		
		System alarm display			●	●	●		
	Recipe display (record list)				●	●	●		
	Graph				●	●	●		
	Historical trend graph			△	●	●	●		
	Graphical meter				●	●	●		
	Meter				●	●	●		
	Slider				●	●	●		
	Document display	Document converter output file		○	●	●	●		
		PDF file		○	●	●	●		
	Script part				●	●	●		
Logging			△	●	●	●			
Recipe			△	●	●	●			
Device data transfer				●	●	●			
Trigger action				●	●	●			
Time action			△	●	●	●			
Hard copy	File output (BMP, JPEG)		○	●	●	●			
	File output (PDF)		○	●	●	●			
	Ethernet printer output			[Future Support]	[Future Support]	●			
Project/Screen script				●	●	●			
Object script				●	●	●			

**NEW** GOT3000 only **Upgraded** GOT2000 compatible function enhanced **GT Works3 Version 1.410C or later**  
**🔒**: Security enhanced **●**: Supported **▲**: Supported only on certain models **—**: Not Supported

Category	Item	○: Required △: Conditionally required		GT37 Wide	GT37	GT SoftGOT3000	GT27	
		License	External storage					
Screen design	Barcode function				●	●	●	
	RFID function				●	●	●	
	GOT Mobile function <b>Upgraded</b>	○	△		●🔒	●🔒	●	
	Web browser function <b>NEW</b>		△		●🔒	—	—	
	VNC server function <b>Upgraded</b>	○			●🔒	—	●	
	Remote personal computer operation (Ethernet) function <b>Upgraded</b>	○			●🔒	—	●	
	Digital image input function	Web camera (USB connection) <b>NEW</b>				●	—	—
		Computer				●	—	▲ Extension unit required
	Digital image recording and playback function <b>NEW</b>	Network camera (Ethernet connection) <b>NEW</b>	○			●	—	—
		Web camera (USB connection)	○	○		●	—	—
		Network camera (Ethernet connection)	○	○		●	—	—
	External I/O function				● Extension unit required	—	● Extension unit required	
	Operation panel function				● Extension unit required	●	● Extension unit required	
	Image output function				●	—	▲ Extension unit required	
		Report function		○	[Future Support]	[Future Support]	●	
		File output		○	[Future Support]	[Future Support]	●	
		Ethernet printer output			[Future Support]	[Future Support]	●	
	Sound output function				●	●	● Extension unit required	
	VPN connection function <b>NEW</b>	○			●🔒	—	—	
	Contactless tag function <b>NEW</b>				●	—	—	
	OPC UA server function <b>NEW</b>				●🔒	●🔒	—	
	OPC UA client function <b>NEW</b>				●🔒	●🔒	—	
	Gateway (Server) function				●	●	●	
	Gateway (Client) function				●	—	●	
	Mail send function <b>Upgraded</b>				●🔒	●🔒	●	
	FTP server function <b>Upgraded</b>		△		●🔒	—	●	
	File transfer (FTP client) function <b>Upgraded</b>		○		●🔒	—	●	
USB mouse, USB keyboard function				●	●	●		
GOT functions	Base screen				●	●	●	
	Window screen				●	●	●	
	Mobile screen				●	●	●	
	Base screen size expansion				●	—	●	
	Language switching				●	●	●	
	System information				●	●	●	
	Operator authentication <b>Upgraded</b>		△		●🔒	●🔒	●	
	Information protection function <b>NEW</b>				●🔒	●🔒	—	
	Encrypted communication function <b>NEW</b>				●🔒	●🔒	—	
	Operation log		○		●🔒	●🔒	●	
	Startup logo <b>Upgraded</b>				● Fade-in/Fade-out function expansion available	●	●	
	Kana-Kanji/Pinyin conversion				●	●	●	
	FA transparent				●	—	●	
	SoftGOT-GOT link <b>Upgraded</b>				●🔒	●🔒	●	
	Backup/Restore		○		●	●	●	
	Multi-channel function				4 channels	4 channels	4 channels	
	Station No. switching				●	●	●	
	GOT network interaction function <b>Upgraded</b>				●🔒	●🔒	●	
	Screen gesture function				●	—	●	
	Object gesture function				●	● Some functions are unavailable	●	
	IP filter function				●	—	●	
File management function		△		●	—	●		
Vertical display				●	—	●		
Security (compliant with IEC 62443-4-2) <b>NEW</b>				Please contact your local sales office for details.			—	



For details on each function, compatible controllers, and connection configurations, please refer to the GOT3000 Series manual.

# Function List

NEW GOT3000 only 
 Upgraded GOT2000 compatible function enhanced 
 GT Works3 Version 1.410C or later  
🔒: Security enhanced 
 ●: Supported 
 ▲: Supported only on certain models 
 —: Not Supported

Category	Item	○: Required △: Conditionally required		GT37 Wide	GT37	GT SoftGOT3000	GT27
		License	External storage				
Maintenance function	Sequence program monitor (iQ-R ladder)		○		●	—	●
	Sequence program monitor (iQ-F ladder)		○		●	—	●
	Sequence program monitor (Q/L ladder)		○		●	—	●
	CC-Link IE TSN/CC-Link IE Field network diagnosis				●	—	●
	Intelligent unit monitor				●	—	●
	R motion monitor				●	—	●
	Log viewer		△	[Future Support]		—	●
	iQSS utility		○		●	—	●
	System launcher				●	●	●
GOT offline monitor		△		●	●	●	



For details on each function, compatible controllers, and connection configurations, please refer to the GOT3000 Series manual.



# Specifications

—: Not supported



Category	Item	GT3715-FHCBD	GT3712-WXCBD	GT3715-XRBA	GT3715-XRBD		
Performance specifications	Display section*1	Display device				TFT color LCD	
		Screen size		15.6" widescreen	12.1" widescreen	15"	
		Resolution		Full HD: 1920 x 1080	WXGA: 1280 x 800	XGA: 1024 x 768	
		Screen size (W x H)		344.2 x 193.6 mm 13.55 x 7.62 in.	261.1 x 163.2 mm 10.28 x 6.43 in.	304.1 x 228.1 mm 11.97 x 8.98 in.	
		Display color		16 million colors			
		Brightness adjustment		32 levels			
		Backlight		LED (not replaceable)			
		Backlight life		50,000 hours or more			
	Touch panel	Type	Projected capacitive*2		Analog resistive		
		Simultaneous press	Up to two points		—		
		Life	—		1 million touches or more		
	Panel color		Black				
	Human sensor		—		Pyroelectric type		
	Memory capacity (user memory)		RAM: 2 GB (768 MB) ROM: 512 MB (256 MB)				
	Battery	GT11-50BAT lithium battery (sold separately)					
		Backup target	Clock data				
	Built-in interface	RS-232/422/485	1 channel, D-sub 9-pin (socket), 115200, 57600, 38400, 19200, 9600, 4800 bps Select either one channel from RS-232 or RS-422/485				
		Ethernet	2 channels, RJ45 (modular jack), 1000BASE-T, 100BASE-TX, 10BASE-T				
		USB (device/host)	1 channel, USB Type-C, USB 3.2 gen 1				
		USB (host)	1 channel, USB Type-A, USB 3.2 gen 1				
		Digital video output	1 channel, HDMI connector type A				
		SD memory card	1 channel				
		Contactless tag	1 channel				
	Extension I/F		For communication unit and option unit connections				
	Buzzer sound		Single tone (pitch and duration adjustable)				
	Power LED		Yellow-green				
	Protective structure		Front: IP66F, IP67F, NEMA Type 4X Enclosure interior: IP2X				
Safety standards		CE, UL, cUL, KC					
External dimensions (W x H x D)		397 x 276 x 63 mm 15.63 x 10.87 x 2.48 in.	316 x 244 x 63 mm 12.44 x 9.61 x 2.48 in.	397 x 294 x 61 mm 15.63 x 11.57 x 2.40 in.			
Panel cutting dimensions (W x H)		383.5 x 260 mm 15.1 x 10.24 in.	302 x 228 mm 11.89 x 8.98 in.	383.5 x 282.5 mm 15.1 x 11.12 in.			
Weight (excl. the installation fittings)		2.7 kg 6.0 lb	2.1 kg 4.6 lb	2.8 kg 6.2 lb			
General specifications	Ambient operating temperature		0 °C to 55 °C				
	Ambient storage temperature		-20 °C to 60 °C				
	Ambient operating/storage humidity		10% RH to 90% RH, non-condensing				
	Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2	Frequency	Acceleration	Amplitude	Sweep count	
			5 Hz to 8.4 Hz	—	3.5 mm	X, Y, or Z 10 times in each direction	
	Shock resistance		Compliant with JIS B 3502 and IEC 61131-2 150 m/s <sup>2</sup> (15 G), 3 times in X, Y, or Z directions				
Power supply specifications	Power supply voltage		24 V DC (+25%, -20%)		100 V AC to 240 V AC (+10%, -15%) 24 V DC (+25%, -20%)		
	Power supply frequency		—		50 Hz/60 Hz (±5%) —		
	Power consumption	Under the maximum load	42 W or less	37 W or less	45 W or less	39 W or less	
		Main unit (ref. value)	20 W	15 W	19 W	17 W	

\*1 As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

\*2 If conductive materials such as water or oil adhere to the display, GOT may malfunction. Remove any conductive materials before use.

## GT37



Category	Item	GT3712-XRBA	GT3712-XRBD	GT3710-XRBA	GT3710-XRBD	GT3708-XRBA	GT3708-XRBD		
Performance specifications	Display section*1	Display device						TFT color LCD	
		Screen size		12.1"		10.4"		8.4"	
		Resolution		XGA: 1024 x 768					
		Screen size (W x H)		246.0 x 184.5 mm 9.69 x 7.26 in.		211.2 x 158.4 mm 8.31 x 6.24 in.		170.9 x 128.2 mm 6.73 x 5.05 in.	
		Display color		16 million colors					
		Brightness adjustment		32 levels					
		Backlight		LED (not replaceable)					
		Backlight life		50,000 hours or more					
	Touch panel	Type		Analog resistive					
		Simultaneous press		—					
		Life		1 million touches or more					
	Panel color		Black						
	Human sensor		Pyroelectric type		—		—		
	Memory capacity (user memory)		RAM: 2 GB (768 MB) ROM: 512 MB (256 MB)						
	Battery		GT11-50BAT lithium battery (sold separately)						
			Backup target		Clock data				
	Built-in interface	RS-232/422/485		1 channel, D-sub 9-pin (socket), 115200, 57600, 38400, 19200, 9600, 4800 bps Select either one channel from RS-232 or RS-422/485					
		Ethernet		2 channels, RJ45 (modular jack), 1000BASE-T, 100BASE-TX, 10BASE-T					
		USB (device/host)		1 channel, USB Type-C, USB 3.2 gen 1					
		USB (host)		1 channel, USB Type-A, USB 3.2 gen 1					
		Digital video output		1 channel, HDMI connector type A					
		SD memory card		1 channel					
		Contactless tag		1 channel					
	Extension I/F		For communication unit and option unit connections						
	Buzzer sound		Single tone (pitch and duration adjustable)						
	Power LED		Yellow-green						
	Protective structure		Front: IP66F, IP67F, NEMA Type 4X Enclosure interior: IP2X						
Safety standards		CE, UL, cUL, KC							
External dimensions (W x H x D)		316 x 240 x 61 mm 12.44 x 9.45 x 2.40 in.		303 x 212 x 61 mm 11.93 x 8.35 x 2.40 in.		241 x 188 x 61 mm 9.49 x 7.40 x 2.40 in.			
Panel cutting dimensions (W x H)		302 x 228 mm 11.89 x 8.98 in.		289 x 200 mm 11.38 x 7.87 in.		227 x 176 mm 8.94 x 6.93 in.			
Weight (excl. the installation fittings)		2.0 kg 4.4 lb		1.8 kg 4.0 lb		1.5 kg 3.3 lb			
General specifications	Ambient operating temperature		0 °C to 55 °C						
	Ambient storage temperature		-20 °C to 60 °C						
	Ambient operating/storage humidity		10% RH to 90% RH, non-condensing						
	Vibration resistance		Compliant with JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Amplitude	Sweep count	
					5 Hz to 8.4 Hz	—	3.5 mm	X, Y, or Z 10 times in each direction	
Shock resistance		Compliant with JIS B 3502 and IEC 61131-2 150 m/s <sup>2</sup> (15 G), 3 times each in X, Y, and Z directions							
Power supply specifications	Power supply voltage		100 V AC to 240 V AC (+10%, -15%)	24 V DC (+25%, -20%)	100 V AC to 240 V AC (+10%, -15%)	24 V DC (+25%, -20%)	24 V DC (+25%, -20%)		
	Power supply frequency		50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	
	Power consumption	Under the maximum load		45 W or less	39 W or less	39 W or less	33 W or less	38 W or less	33 W or less
Main unit (ref. value)		19 W	17 W	15 W	12 W	15 W	12 W		



Frequently Asked Questions



For details, please refer to the following manual:  
GOT3000 Series User's Manual (Hardware)

# Specifications

## GT SoftGOT3000

### Operating environment

For information about the operating environment of GT SoftGOT3000, please check Mitsubishi Electric FA Global website.



### GT SoftGOT3000



### Operation specifications

Item	Specifications	
Resolution (dot)	VGA	640 x 480
	SVGA	800 x 600
	XGA	1024 x 768
	HD	1280 x 720
	WXGA	1280 x 800
	FWXGA	1366 x 768
	Full HD	1920 x 1080
	WUXGA	1920 x 1200
	Custom (user-defined)	Long side: [640 to 1920] x Short side: [480 to 1200]
Display color	High Color (16-bit) or higher	
User memory capacity	Memory for storage (ROM): 256 MB Memory for operation (RAM): 768 MB	

## GT Works3

### Operating environment

For information about the operating environment of GT Works3, please check Mitsubishi Electric FA Global website.



### GOT Screen Design Software MELSOFT GT Works3



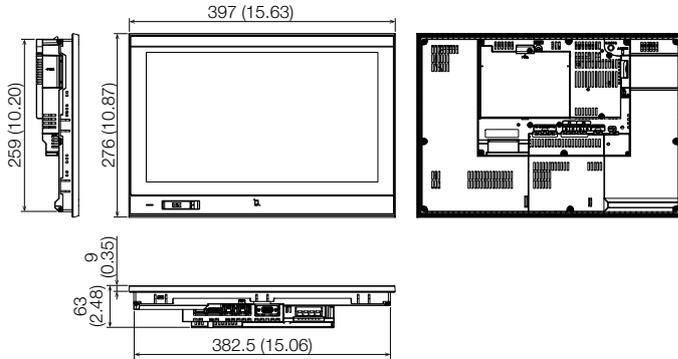
# Dimensions

## GT37 Wide

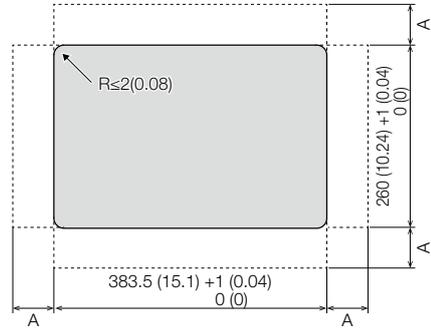
Unit: mm (in.)

### GT3715-FHCBD

External dimensions



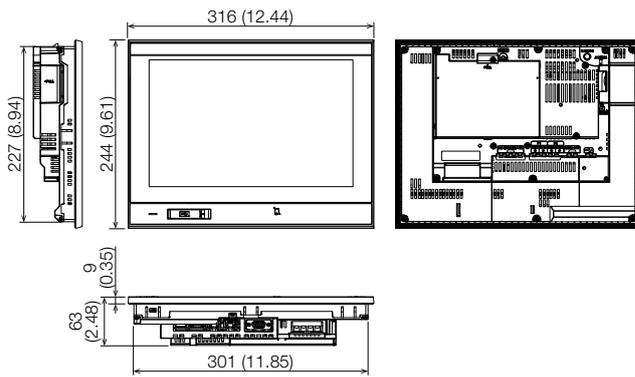
Panel cutting dimensions



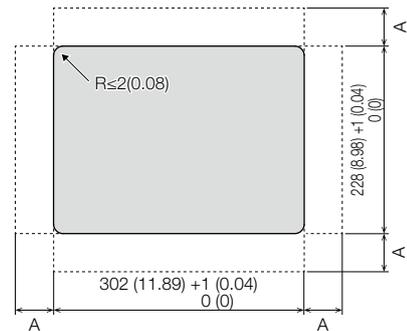
A=15 (0.59) or more  
Panel thickness: 1.6 to 4 (0.06 to 0.16)

### GT3712-WXCB

External dimensions



Panel cutting dimensions



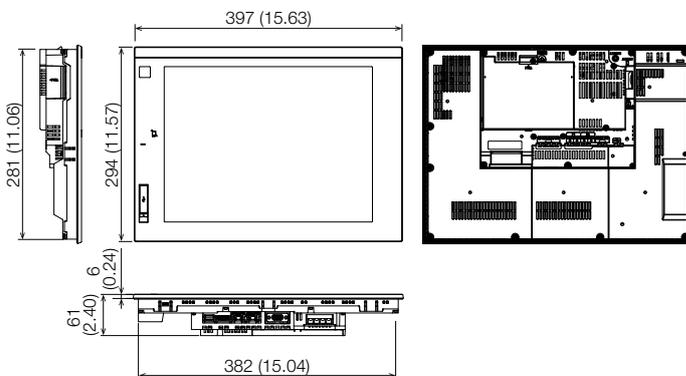
A=15 (0.59) or more  
Panel thickness: 1.6 to 4 (0.06 to 0.16)

## GT37

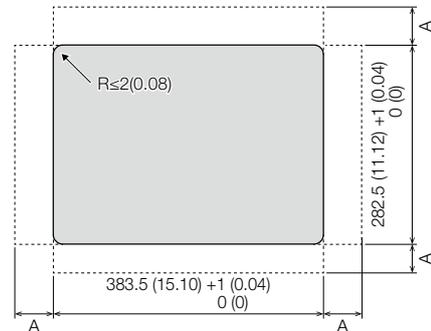
Unit: mm (in.)

### GT3715-X

External dimensions

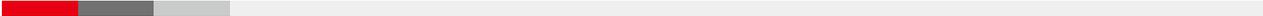


Panel cutting dimensions



A=15 (0.59) or more  
Panel thickness: 1.6 to 4 (0.06 to 0.16)

# Dimensions

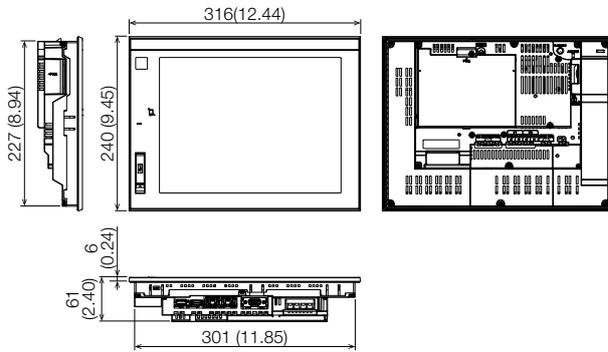


## GT37

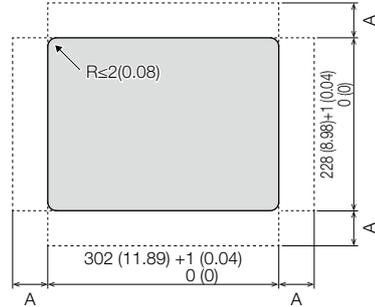
Unit: mm (in.)

### GT3712-X

External dimensions



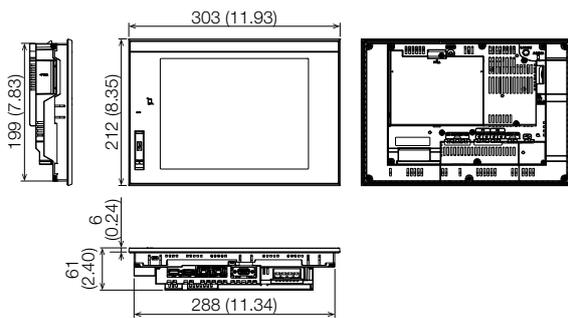
Panel cutting dimensions



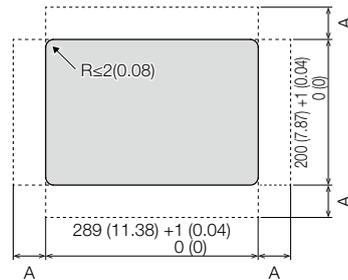
A=15 (0.59) or more  
Panel thickness: 1.6 to 4 (0.06 to 0.16)

### GT3710-X

External dimensions



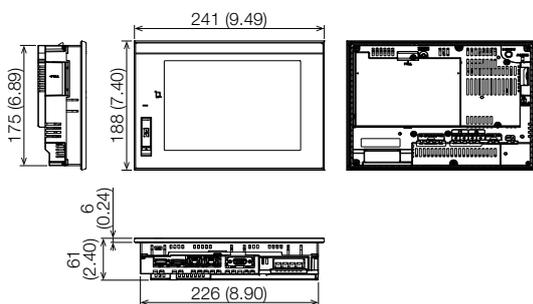
Panel cutting dimensions



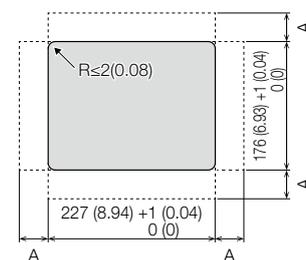
A=15 (0.59) or more  
Panel thickness: 1.6 to 4 (0.06 to 0.16)

### GT3708-X

External dimensions



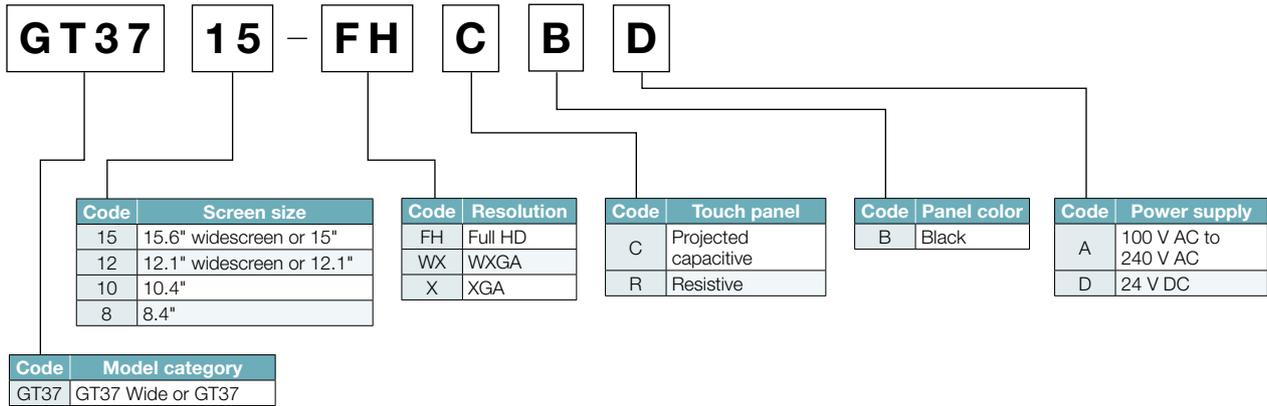
Panel cutting dimensions



A=15 (0.59) or more  
Panel thickness: 1.6 to 4 (0.06 to 0.16)

# Product List

## GOT Model Name



## GOT Base Units

Category	Model	Specifications					Built-in interface			
		Screen size resolution	Touch panel	Display color	Panel color	Power supply				
GT37 Wide	GT3715-FHCBD	15.6" widescreen Full HD	Projected capacitive	16 million colors	Black	DC	Ethernet            RS-232/422/485            Digital video output            Extension I/F			
	GT3712-WXCBD	12.1" widescreen WXGA						DC		
GT37	GT3715-XRBA	15" XGA	Resistive			DC		AC	TAG            USB Type-C            USB Type-A            SD	
	GT3715-XRBD	XGA								DC
	GT3712-XRBA	12.1" XGA								AC
	GT3712-XRBD	XGA								DC
	GT3710-XRBA	10.4" XGA								AC
	GT3710-XRBD	XGA								DC
GT3708-XRBA	8.4" XGA	AC								
GT3708-XRBD	XGA	DC								

## Extension Units

●: Supported

Product	Model	Specifications	Compatible model GT37	
Extension interface conversion unit	GT37-IF2000	Unit for using GOT2000 series and GOT1000 series communication units and option units with GOT3000 series.	●	
Communication units	Serial communication unit	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin plug)	●*1
		GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin socket)	●*1
		GT15-RS4-TE	RS-422/485 serial communication unit (terminal block)	●*1
	CC-Link IE TSN communication unit	GT25-J71GN13-T2	Local station (device station) unit	●*1
	CC-Link IE Controller Network communication unit	GT15-J71GP23-SX	Normal station unit (optical loop)	●*1
	CC-Link IE Field Network communication unit	GT15-J71GF13-T2	Intelligent device station unit	●*1
Option unit	External I/O unit	GT15-J61BT13	Intelligent device station unit CC-Link Ver. 2 compliant	●*1
		GT15-DIO	For connecting an external I/O device and an operation panel (positive common input, sink type output)	●*1
	GT15-DIOR	For connecting an external I/O device and an operation panel (negative common input, source type output)	●*1	

\*1 A separate extension interface conversion unit is required when using with GT37.

## Software

Product	Model	Language	License type	Delivery type
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-EC	English	Site license product*1	DVD

\*1 Available for use only by individuals from the same corporation that purchased the product, its business offices (including overseas offices), public vocational training facilities, or other educational institutions, with no limitations on the number of computers or users.

# Product List

## License

### ◆License for GOT3000

●: Supported

Product		Model	Number of licenses for sale	Delivery type	Compatible model GT37
Add-on function	GOT Mobile function license for GOT3000*1	GT30-WEBSKEYA1-1	1	License certificate	●
		GT30-WEBSKEYA1-5	5	License certificate	●
		GT30-WEBSKEYA1N-1	1	Digital distribution	●
	VNC server function license*1	GT30-VNCSKEYA1-1	1	License certificate	●
		GT30-VNCSKEYA1-5	5	License certificate	●
		GT30-VNCSKEYA1N-1	1	Digital distribution	●
	Remote personal computer operation function (Ethernet) license*1	GT30-PCRAKEYA1-1	1	License certificate	●
		GT30-PCRAKEYA1-5	5	License certificate	●
		GT30-PCRAKEYA1N-1	1	Digital distribution	●
	VPN connection function license*1	GT30-VPNKEYA1-1	1	License certificate	●
		GT30-VPNKEYA1-5	5	License certificate	●
		GT30-VPNKEYA1N-1	1	Digital distribution	●
	Multimedia function license*1	GT30-MMRKEYA1-1	1	License certificate	●
		GT30-MMRKEYA1-5	5	License certificate	●
		GT30-MMRKEYA1N-1	1	Digital distribution	●

\*1 Each GOT requires one license.

### ◆License for GT Designer3 (GOT3000/GOT2000)

●: Supported

Product		Model	Number of licenses for sale	Delivery type	Compatible model GT37
Add-on function	GT Works text to speech license*1	SW1DND-GTVO-M	1	License certificate	●

\*1 Each computer requires one license to edit sound files.

### ◆License for GT SoftGOT3000

Product		Model	Number of licenses for sale	Delivery type
License for GT SoftGOT3000*1		GT3S-SGTKEYA1-1	1	License certificate
		GT3S-SGTKEYA1-10	10	License certificate
		GT3S-SGTKEYA1-20	20	License certificate
		GT3S-SGTKEYA1N-1	1	Digital distribution
Add-on function	GOT Mobile function license for GT SoftGOT3000*1	GT3S-WEBSKEYA1-1	1	License certificate
		GT3S-WEBSKEYA1-5	5	License certificate
		GT3S-WEBSKEYA1N-1	1	Digital distribution

\*1 Each OS requires one license.

### ◆Mobile Applications (GOT3000/GT SoftGOT3000)

Product	Description
Pocket GOT	Download for free from the App Store or Google Play™. * The app is compatible with iPhone, iPad, or Android™ devices. For information about the operating environment, please check the App Store or Google Play™.

## Options

●: Supported

Product	Model	Description		Compatible model
				GT37
Protective sheet	GT37-15WPSGC	For 15.6" widescreen, projected capacitive touch screen	Antiglare type Transparent	●
	GT37-12WPSGC	For 12.1" widescreen, projected capacitive touch screen	A set of 2 sheets	●
	GT37-15PSGC	For 15"	Antiglare type Transparent A set of 5 sheets With a hole for the USB environmental protection cover	●
	GT35-12PSGC	For 12.1"		●
	GT35-10PSGC	For 10.4"		●
	GT35-08PSGC	For 8.4"		●
	GT37-15WPSCC	For 15.6" widescreen, projected capacitive touch screen	Clear type Transparent	●
	GT37-12WPSCC	For 12.1" widescreen, projected capacitive touch screen	A set of 2 sheets	●
	GT37-15PSCC	For 15"	Clear type Transparent A set of 5 sheets With a hole for the USB environmental protection cover	●
	GT35-12PSCC	For 12.1"		●
	GT35-10PSCC	For 10.4"		●
	GT35-08PSCC	For 8.4"		●
Stand	GT15-90STAND	For 15"		●
	GT15-80STAND	For 12.1" widescreen and 12.1"		●
	GT15-70STAND	For 10.4" and 8.4"		●
SD memory card	NZ1MEM-2GBSD	SD memory card, 2 GB		●
	NZ1MEM-4GBSD	SDHC memory card, 4 GB		●
	NZ1MEM-8GBSD	SDHC memory card, 8 GB		●
	NZ1MEM-16GBSD	SDHC memory card, 16 GB		●
Battery	GT11-50BAT	For clock data backup <sup>*1</sup>		●

\*1 The clock data is used for functions such as logging. To back up the clock data, please purchase a battery.

# Product List

## Cables

●: Supported

Product		Model	Cable length (m)	Recommended Product	Specifications	Compatible model GT37
USB Cable	Panel-mounted USB port extension	GT14-C10EXUSB-4S	1		For routing the USB 2.0 port of the GOT rear face to the front side of the control panel	●
	Conversion unit, conversion cable	RS-485 terminal block conversion unit	FA-LTBGT2R4CBL05	0.5	*2	RS-485 terminal block conversion unit with cable between RS-422/485 (connector) and RS-485 terminal block conversion unit
FA-LTBGT2R4CBL10			1			
FA-LTBGT2R4CBL20			2			
RS-422-232 connector conversion cable		GT35-C02HR2-9P	0.2	*3	Connector conversion cable for connecting existing RS-232 cable [D-sub 9-pin ↔ D-sub 9-pin]	●
RS-422 conversion cable	FA-CNV2402CBL	FA-CNV2402CBL	0.2	*2	For connecting the QCPU/L02SCPU(-P) and the RS-422 cable (GT01-C□R4-25P) For connecting the L6ADP-R2 and the RS-422 cable (GT01-C□R4-25P) [MINI-DIN 6-pin ↔ D-sub 25-pin]	●
		FA-CNV2405CBL	0.5			
RS-232 cable <sup>1</sup>	Q/LCPU direct connection cable	GT01-C30R2-6P	3		For connecting the Q/LCPU and the GOT For connecting the L6ADP-R2 and the GOT/personal computer (GT SoftGOT3000) [MINI-DIN 6-pin ↔ D-sub 9-pin]	●
	FXCPU communication expansion board connection cable FXCPU communication special adapter connection cable	GT01-C30R2-9S	3		For connecting the FXCPU communication expansion board and the GOT/personal computer (GT SoftGOT3000) For connecting the FXCPU communication special adapter and the GOT/personal computer (GT SoftGOT3000) [D-sub 9-pin ↔ D-sub 9-pin]	●
	Computer link connection cable CC-Link (G4) connection cable	GT09-C30R2-9P	3	*3	For connecting the serial communication module and the GOT For connecting the computer link module and the GOT For connecting the peripheral connection module (AJ65BT-R2N) and the GOT [D-sub 9-pin ↔ D-sub 9-pin]	●
	Computer link connection cable	GT09-C30R2-25P	3	*3	For connecting the serial communication module and the GOT For connecting the computer link module and the GOT [D-sub 25-pin ↔ D-sub 9-pin]	●
	RS-422 cable	QnA/FXCPU direct connection cable Computer link connection cable CC-Link (G4) connection cable	GT01-C30R4-25P	3		For connecting the QnA/ACPU/Motion CPU (A series)/FXCPU and the GOT For connecting the RS-422 connector conversion cable (FA-CNV□CBL) and the GOT For connecting the serial communication module and the GOT For connecting the peripheral connection module (AJ65BT-G4-S3) and the GOT [D-sub 25-pin ↔ D-sub 9-pin]
GT01-C100R4-25P			10			
GT01-C200R4-25P			20			
GT01-C300R4-25P			30			
Computer link connection cable		GT09-C30R4-6C	3	*3	For connecting the serial communication module and the GOT For connecting the computer link module and the GOT [separate wire ↔ D-sub 9-pin]	●
		GT09-C100R4-6C	10			
		GT09-C200R4-6C	20			
		GT09-C300R4-6C	30			
FXCPU direct connection cable FXCPU communication expansion board connection cable		GT01-C10R4-8P	1		For connecting the FXCPU and the GOT For connecting the FXCPU communication expansion board and the GOT [MINI-DIN 8-pin ↔ D-sub 9-pin]	●
		GT01-C30R4-8P	3			
	GT01-C100R4-8P	10				
	GT01-C200R4-8P	20				
	GT01-C300R4-8P	30				

\*1 When using an existing RS-232 cable with GT37, a separate RS-422-232 connector conversion cable (GT35-C02HR2-9P) is required.

\*2 The products are developed by Mitsubishi Electric Engineering Company Limited and sold through your local sales office.

\*3 The products are developed by Mitsubishi Electric System & Service Company Limited and sold through your local sales office.

## Related Manuals

Title	Number	Delivery type
GT Designer3 (GOT3000) Screen Design Manual	SH-082590ENG	PDF, e-Manual
GOT3000 Series User's Manual (Hardware)	SH-082591ENG	PDF, e-Manual
GOT3000 Series User's Manual (Utility & Maintenance Functions)	SH-082592ENG	PDF, e-Manual
GOT3000 Series User's Manual (Connection)	SH-082593ENG	PDF, e-Manual
GT SoftGOT3000 User's Manual	SH-082594ENG	PDF, e-Manual

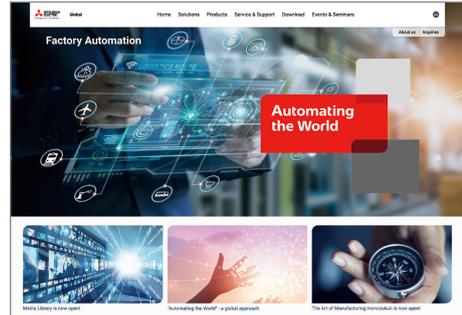
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