

Mitsubishi Graphic Operation Terminal GOT1000 Series

**Tailored solutions to meet your HMI and
visualization needs**



GRAPHIC OPERATION TERMINAL

GOT1000

Compatible with
Windows® 7

for a greener tomorrow



Robots



Motion Controllers and
Servos Amplifiers



CNCs



Automation Platforms and
Programmable Controllers



Inverters



Vision
Systems

CASE STUDY 1

Have you ever needed an HMI to do more than provide pretty panel meters? The GOT1000 does more than just visualization, it provides solutions for both the everyday, and not so everyday problem.

CASE STUDY 2

Solutions for your FA Device: Innovative solutions for improving uptime, work efficiency and productivity using the GOT1000 and your FA equipment.

GOT Solutions

FA Solutions

The GOT1000 delivers the competitive advantage:

The speed of your business and the speed of your machine hinges on many forces outside of your control.

The GOT1000 brings them back under control with speed, performance and industry leading functions that are tailored for visualization - real life solutions for your real time process.

Whether your focus is centered on uptime, productivity or serviceability there is a GOT solution that fits your machine, factory and enterprise level requirements.



GOTs evolve
the face of control.

GRAPHIC OPERATION TERMINAL
GOT1000

Five models of the GOT1000 Series to fit demanding systems and tight budgets.

All-in-one models with a variety of communication and function features including Ethernet support

GT16

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

15" type

XGA TFT(High-brightness, wide viewing angle)
GT1695M-STBA AC type GT1695M-STBD DC type
Resolution : 1024 x 768 Display colors : 65,536 colors
Multimedia, video/RGB model

12.1" type

SVGA TFT(High-brightness, wide viewing angle)
GT1685M-STBA AC type GT1685M-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors
Multimedia, video/RGB model

10.4" type

SVGA TFT(High-brightness, wide viewing angle)
GT1675M-STBA AC type GT1675M-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors
Multimedia, video/RGB model

VGA TFT(High-brightness, wide viewing angle)
GT1675M-VTBA AC type GT1675M-VTBD DC type
Resolution : 640 x 480 Display colors : 65,536 colors
Multimedia, video/RGB model

8.4" type

SVGA TFT(High-brightness, wide viewing angle)
GT1665M-STBA AC type GT1665M-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors
Multimedia, video/RGB model

VGA TFT(High-brightness, wide viewing angle)
GT1662-VNBA AC type GT1662-VNBD DC type
Resolution : 640 x 480 Display colors : 16 colors

VGA TFT
GT1672-VNBA AC type GT1672-VNBD DC type
Resolution : 640 x 480 Display colors : 16 colors

VGA TFT(High-brightness, wide viewing angle)
GT1665M-VTBA AC type GT1665M-VTBD DC type
Resolution : 640 x 480 Display colors : 65,536 colors
Multimedia, video/RGB model

5.7" type

VGA TFT(High-brightness, wide viewing angle)
GT1655-VTBD DC type
Resolution : 640 x 480 Display colors : 65,536 colors

6.5" type Handy

VGA Handy GOT/TFT
(High-brightness, wide viewing angle)
GT1665HS-VTBD DC type
Resolution : 640 x 480 Display colors : 65,536 colors

Wide field of applicability in a network or standalone environment

GT15

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

15" type

XGA TFT(High-brightness, wide viewing angle)
GT1595-STBA AC type GT1595-STBD DC type
Resolution : 1024 x 768 Display colors : 65,536 colors

12.1" type

SVGA TFT(High-brightness, wide viewing angle)
GT1585V-STBA AC type GT1585V-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors
Video/RGB model

SVGA TFT(High-brightness, wide viewing angle)
GT1585-STBA AC type GT1585-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors

10.4" type

SVGA TFT(High-brightness, wide viewing angle)
GT1575V-STBA AC type GT1575V-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors
Video/RGB model

SVGA TFT(High-brightness, wide viewing angle)
GT1575-STBA AC type GT1575-STBD DC type
Resolution : 800 x 600 Display colors : 65,536 colors

8.4" type

VGA TFT(High-brightness, wide viewing angle)
GT1575-VTBA AC type GT1575-VTBD DC type
Resolution : 640 x 480 Display colors : 65,536 colors

VGA TFT
GT1575-VNBA AC type GT1575-VNBD DC type
Resolution : 640 x 480 Display colors : 256 colors

VGA TFT
GT1572-VNBA AC type GT1572-VNBD DC type
Resolution : 640 x 480 Display colors : 16 colors

5.7" type

VGA TFT(High-brightness, wide viewing angle)
GT1555-VTBD DC type
Resolution : 640 x 480 Display colors : 65,536 colors

VGA TFT(High-brightness, wide viewing angle)
GT1555-QTBD DC type
Resolution : 320 x 240 Display colors : 65,536 colors

5.7" type Handy

OVGA STN
GT1555-QSBD DC type
Resolution : 320 x 240 Display colors : 4,096 colors

OVGA STN
GT1550-QLBD DC type
Resolution : 320 x 240 Display colors : 16 gray scales

Standard functions with built-in Ethernet

GT12

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

10.4" type

VGA TFT
GT1275-VNBA AC type GT1275-VNBD DC type
Resolution : 640 x 480 Display colors : 256 colors

8.4" type

VGA TFT
GT1265-VNBA AC type GT1265-VNBD DC type
Resolution : 640 x 480 Display colors : 256 colors

Basic functions plus a range of advanced functionality in a standard size

GT11

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

5.7" type

OVGA TFT
GT1155-QTBD DC type
Resolution : 320 x 240 Display colors : 256 colors

OVGA STN
GT1155-QSBD DC type Q bus connection
GT1155-QSBDQ DC type Q bus connection
GT1155-QSBDQ DC type A bus connection
Resolution : 320 x 240 Display colors : 256 colors

5.7" type Handy

OVGA Handy GOT/STN
GT1155HS-QSBD DC type
Resolution : 320 x 240 Display colors : 256 colors

OVGA Handy GOT/STN
GT1150HS-QLBD DC type
Resolution : 320 x 240 Display colors : 16 gray scales

Including all the basic functions required for a HMI display

GT10

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

5.7" type

OVGA STN
GT1055-QSBD 24VDC type
Resolution : 320 x 240 Display colors : 256 colors

OVGA STN
GT1050-QBBD 24VDC type
Resolution : 320 x 240 Display colors : Monochrome (blue/white) 16 gray scales

4.7" type

OVGA STN
GT1045-QSBD 24VDC type
Resolution : 288 x 96 Display colors : 256 colors

OVGA STN
GT1040-QBBD 24VDC type
Resolution : 320 x 240 Display colors : Monochrome (blue/white) 16 gray scales

4.5" type

STN(High contrast) NEW *
GT1030-HBD Black 24VDC type RS-422 connection
GT1030-HBD2 Black 24VDC type RS-232 connection
GT1030-HBL Black 5VDC type RS-422 connection
GT1030-HWD White 24VDC type RS-422 connection
GT1030-HWD2 White 24VDC type RS-232 connection
GT1030-HWL White 5VDC type RS-422 connection
Resolution : 288 x 96 Display colors : Monochrome (black/white) (Tricolor LED (green/orange/red))

STN(High contrast) NEW *
GT1030-HBDW Black 24VDC type RS-422 connection
GT1030-HBDW2 Black 24VDC type RS-232 connection
GT1030-HBLW Black 5VDC type RS-422 connection
GT1030-HWDW White 24VDC type RS-422 connection
GT1030-HWDW2 White 24VDC type RS-232 connection
GT1030-HWLW White 5VDC type RS-422 connection
Resolution : 288 x 96 Display colors : Monochrome (black/white) (Tricolor LED (white/pink/red))

3.7" type

STN
GT1020-LBD Black 24VDC type RS-422 connection
GT1020-LBD2 Black 24VDC type RS-232 connection
GT1020-LBL Black 5VDC type RS-422 connection
GT1020-LWD White 24VDC type RS-422 connection
GT1020-LWD2 White 24VDC type RS-232 connection
GT1020-LWL White 5VDC type RS-422 connection
Resolution : 160 x 64 Display colors : Monochrome (black/white) (Tricolor LED (green/orange/red))

STN
GT1020-LBDW Black 24VDC type RS-422 connection
GT1020-LBDW2 Black 24VDC type RS-232 connection
GT1020-LBLW Black 5VDC type RS-422 connection
GT1020-LLDW White 24VDC type RS-422 connection
GT1020-LLDW2 White 24VDC type RS-232 connection
GT1020-LLWL White 5VDC type RS-422 connection
Resolution : 160 x 64 Display colors : Monochrome (black/white) (Tricolor LED (white/pink/red))

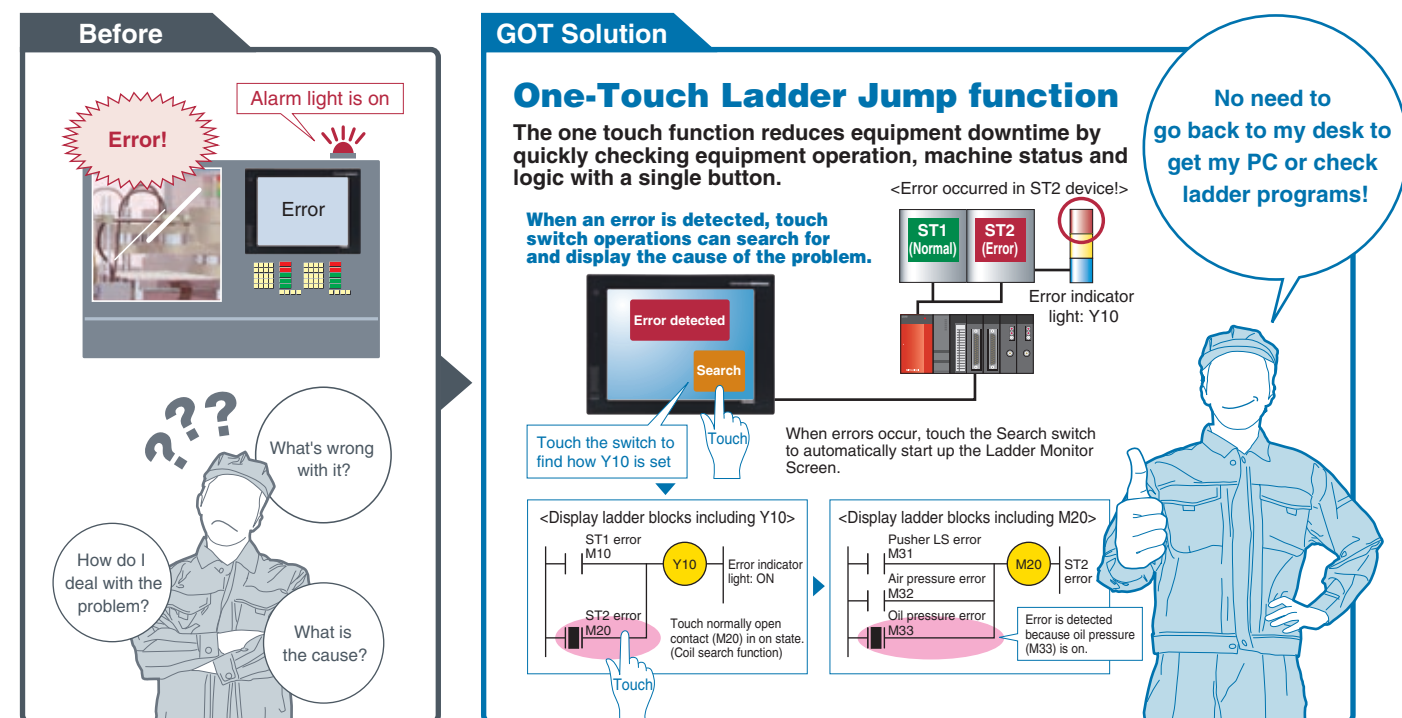
* The GT16□□-VNBD□, GT1655-VTBD, GT1665HS-VTBD, GT12□□-VNBD□ and GT1030 high contrast product (GT1030-H□□□□) are not supported by the screen design software GT Works2/GT Designer 2.

GOT Solutions

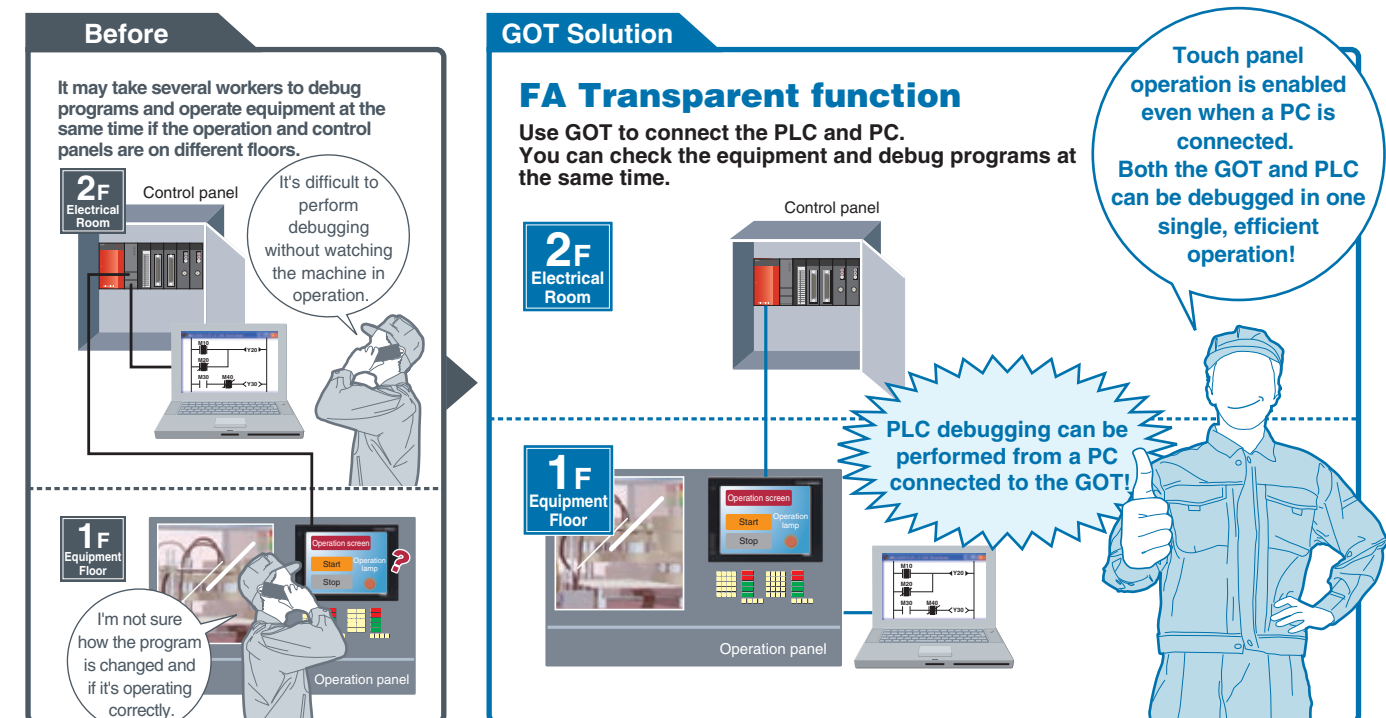
Quick response to problems. Easy facility design with the GOT1000 series.
A comprehensive solution to production site problems.

CASE 1

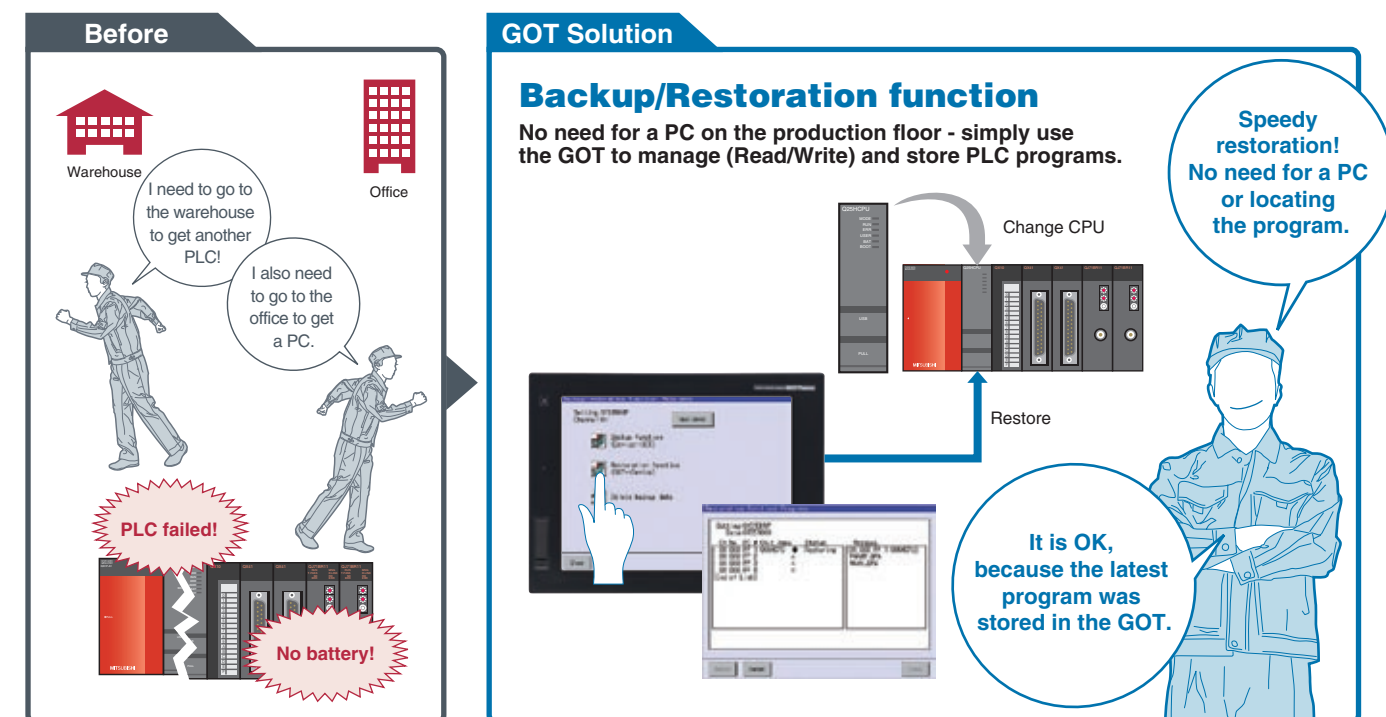
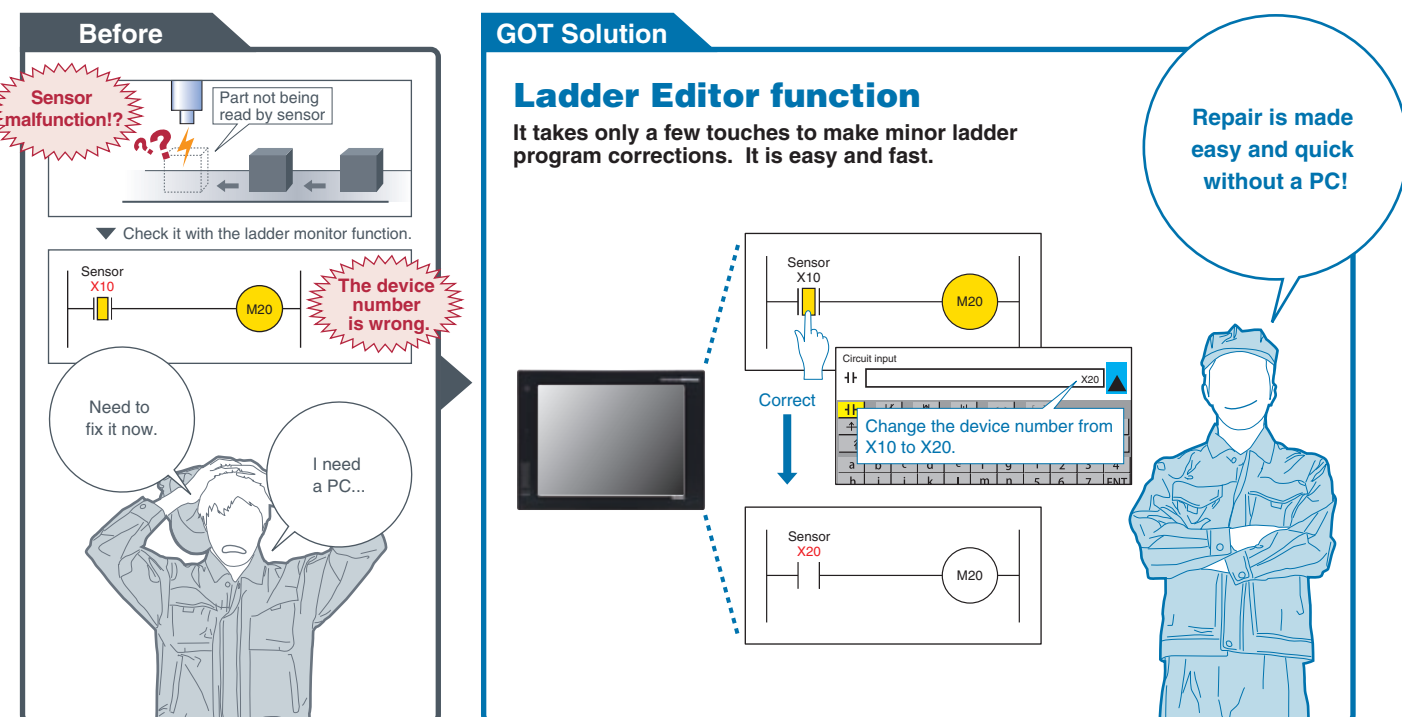
Facility uptime is increased by reducing unexpected errors on the floor.

**CASE 3**

Downtime is shorten when debugging can be performed locally or over decentralized systems.

**CASE 4**

Production efficiency is maintained when the GOT is used to manage product changeovers and maintenance recovery plans.



GOT Solutions

CASE 5

Operator efficiency is improved when manuals and work instructions can be accessed directly from the display.

Before

Error! Alarm light is on

What is error B110?

Where is the manual?

How do I deal with the problem?

Call the maintenance representative?

GOT Solution

Document Display function/ Video Manual Playback

You can save necessary documents such as manuals on the GOT.

Directly assign documents and image files to touch switches.

Alarm display screen

01/11/2007 10:00 Error B110
01/10/2007 10:10 Error B112
01/10/2007 9:55 Error B110

Manual

With the Document Display function, it's easy to read the manual by changing and scrolling through pages.

Work instructions are easy to access and written in a language that I can understand.

The manual describes how to deal with the error displayed.

<Document display> <Video manual playback>

CASE 6

Production quality can be increased when using the GOT to capture and play back real time videos and images.

Before

Machine fails, forcing the line to stop!

That machine failed again... How can I locate the cause of the problem in this unmanned, fully automated line?

GOT Solution

Multimedia function

Check the recorded view of the production line. You can find problem causes quickly.

I can use the GOT to capture the cause of this problem.

Attach a video camera on GOT. The view of the production line is recorded before and after the occurrence of a problem.

Alarm display screen

01/11/2007 10:00 Error B110
01/10/2007 10:10 Error B112
01/10/2007 9:55 Error B110

Video search

Play it on the GOT.

Play the video from the alarm display screen. High-resolution pictures are recorded and played in VGA resolution!

<120-second long video images are recorded before and after the occurrence of a problem.>

120-seconds-before 120-seconds-after

Trouble

CASE 7

Minimize production mistakes by using the GOT to manage authorization and security levels.

Before

Production failure!

Checking the production data and timesheet information to identify the operator takes time.

The operator's memory about the operation is too vague to identify the problem cause.

Who was working at that time? What was being operated and how?

I don't remember.

GOT Solution

Operator Authentication function + Operation Log function

Save operator information on a CF card along with operation records. You can find sources of trouble quickly.

What is the cause of the defective product?

History check screen

Product A Display alarm data
Product B Display operation log
Product C

The operation log including the operator information is shown for analysis.

It is found that Jon Smith entered erroneous data.

You don't have to panic. The GOT will find the cause.

We can determine the cause of the error and this will be helpful in improving operations and preventing a recurrence in the future.

CASE 8

Reduce installation costs by using flexible mounting options.

Before

Hardware switches and lamps may require large areas of boards.

Rearranging them and reconnecting cables may be inconvenient when specifications are changed.

GOT Solution

GT10 models (GT1020/GT1030)

For simple and small applications, GOT1000 compact types are just right.

Compact and easy-to-use, with simple wiring that reduces assembly time.

Its operation is intuitive. Three backlight colors indicate different equipment statuses.

green orange red
3-color display model
(white pink red
3-color model is also available)

Both horizontal and vertical mounting available to meet the needs of different applications.

FA Solutions

Obstacles are often encountered when using many different types of FA devices. The following problems can be resolved by linking with GOT1000.

Enabling freedom of unit control.



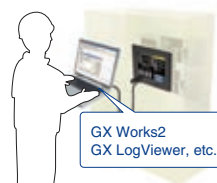
General-purpose PLC
LINK1 MELSEC x GOT1000

Powerful functionality that is useful during startup and the tuning process!

Can the program be debugged without opening the panel?

FA transparent function

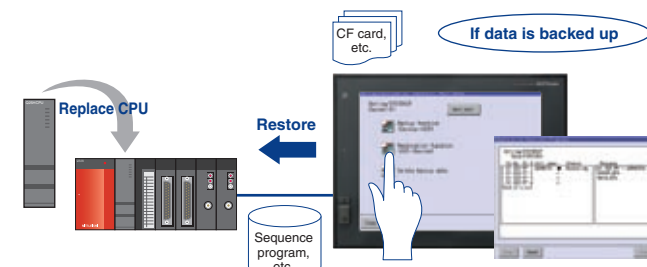
Connected with a personal computer, the GOT acts as a transparent gateway to enable programming, start up, and adjustment of equipment using GX Works2 or GX LogViewer. Users do not have to bother with opening the cabinet or changing cable connections. (On the GT10 series, the FA transparent function can be used via the interface on the rear side.)



Can the PLC programs be recovered after failure?

Backup/restoration function

Sequence programs and parameters can be backed up to the CF card or USB memory in the GOT. Users can then perform batch operation to restore the data to the PLC.



Can the PLC status or errors be checked quickly?

System monitor function

PLC devices can be monitored and changed.

Intelligent module monitor function

Buffer memory values and I/O information can be monitored and changed.

Network monitor function

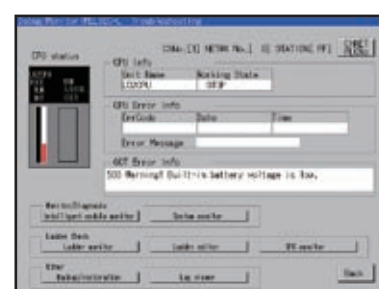
Enable monitoring of network line conditions on a dedicated screen.

Network module status display

Enable monitoring of LED status, error status, among others of network modules on a GOT.

MELSEC-L troubleshooting function

A dedicated maintenance screen for the L series is included. The CPU status and error information can be easily confirmed without a personal computer. If a problem occurs, you can jump to a function screen such as the ladder monitor to quickly take corrective actions.



Ideal for PLCs in the field and on the plant floor!

Can PLC programs be monitored with the GOT?

Ladder monitor function and ladder editor function

Sequence programs can be monitored in a circuit diagram (ladder format).

SFC monitor function

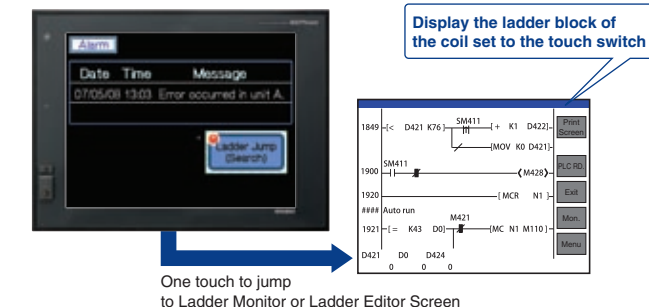
The Q series (Q mode) SFC programs (MELSAP3, MELSAP-L) can be monitored in a SFC diagram format.

Can the root cause be easily identified?

One-touch ladder jump function

(Q/L/QnA series ladder monitor and ladder editor function)

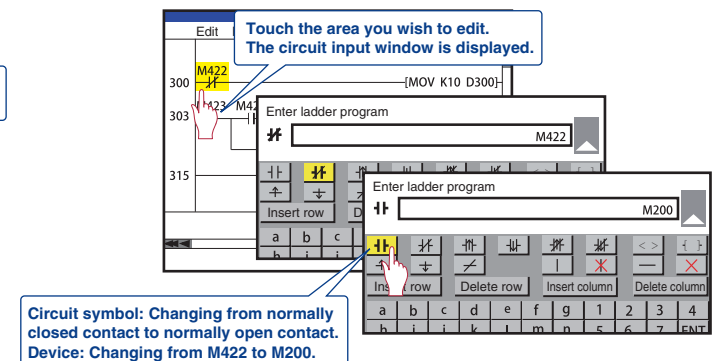
By setting a program name and coil number of the PLC to a touch switch, the relevant ladder circuit block can be displayed directly. Troubles can be handled smoothly from the alarm screen.



Can simple changes to ladder programs be made without a personal computer?

Ladder editor function

Sequence programs of the Q series (Q mode) and the L series can be edited in a circuit diagram (ladder format).

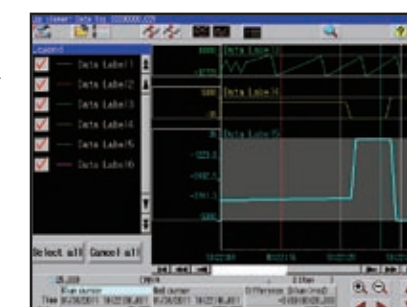


Using the MELSEC-L series or high-speed data logger module!

Can collected logging data be checked at the worksite?

Log viewer function

Logging data collected using the L series or high-speed data logger module can be displayed on the GOT.



Monitoring batch control!

Can Process and Batch monitoring be simplified?

Building a process control system using GOT1000

PX Developer creates GOT process control screens automatically. The automatically generated data can be used for both the GOT (worksite) and GT SoftGOT1000 (monitor room), and therefore monitor screens can be created efficiently.



CASE STUDY 2

FA Solutions

Making drive control even easier.

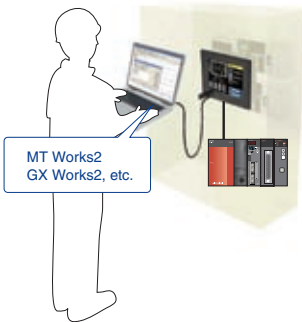


Powerful functionality that is useful during startup and the tuning process!

Can the program be debugged without opening the panel?

FA transparent function

Connected with a personal computer, the GOT acts as a transparent gateway to enable programming, startup, and adjustment of equipment using MT Works2, GX Works2, GX Configurator-QP or MR Configurator2. Users do not have to bother with opening the cabinet or changing cable connections.



Can devices in the motion controller be validated?

System monitor function

Motion controller devices can be monitored and changed.

For direct connection of servo amplifiers to GOTs!

Can errors or the status of servo amplifiers be validated?

Servo amplifier monitor function

In a system which outputs pulse train, the GOT can be connected to a servo amplifier in a serial connection to perform the following operations: monitoring, alarm display, diagnosis, parameter setting, and test operations.

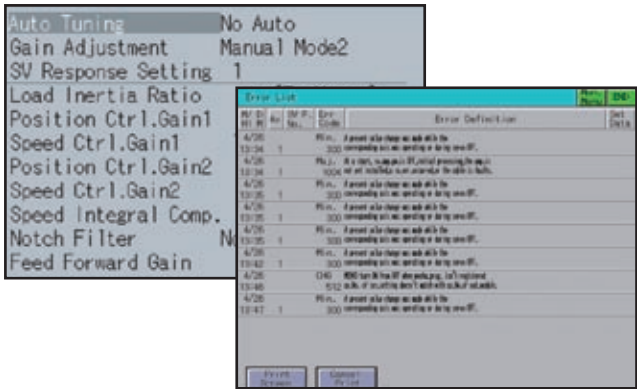


Ideal for motion controllers in the field and on the plant floor!

Can the motion controller's servo parameters be changed easily?

Q series motion monitor function

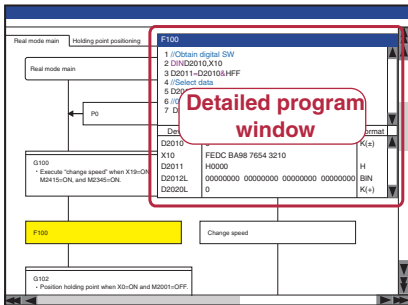
The GOT enables easy monitoring of motion controllers (Q series), changing of servo parameters, and display of errors on the screen.



Can motion SFC programs be checked on the GOT?

Motion SFC monitor function

Motion controller (Q series) SFC programs can be monitored in SFC diagram format. Viewing the batch program monitor or the active step list enables you to see the complete status at a glance.



Can motion profiles be recovered after controller failures?

Backup/restoration function

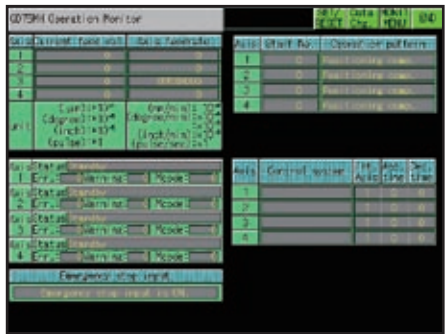
Motion controller (Q series) programs and parameters can be backed up onto a CF card or USB memory in the GOT. Users can perform batch operation to restore the data to the motion controller.

Embedded functionality for positioning modules!

Can positioning status and errors be validated?

Intelligent module monitor function

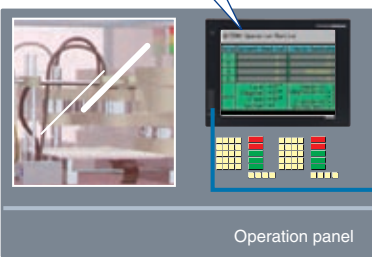
Buffer memory values of modules such as the QD75MH and I/O information can be monitored and changed.



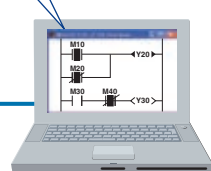
Other convenient uses!

When used in combination with the FA transparent function, the positioning module can be efficiently debugged. If an error occurs in the positioning module, the details of the error can be confirmed using just the GOT.

Monitor the status, parameters, input/output information, and other data for each axis of the positioning module (intelligent module monitor function)



Monitor positioning sequence programs (FA transparent function)



Simplifying inverter control.



General-purpose Inverter

 **FREQROL** GRAPHIC OPERATION TERMINAL **X GOT1000**

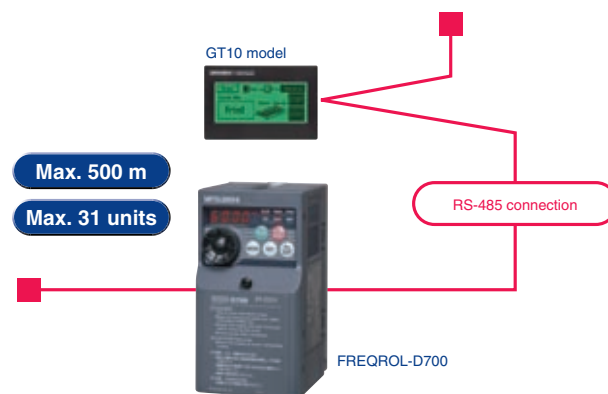
Ideal for inverter startups and operation!

Can connections to the inverter be simplified?

Directly connect inverters

Up to 31 inverters can be connected to a single GOT over a total distance of 500m.

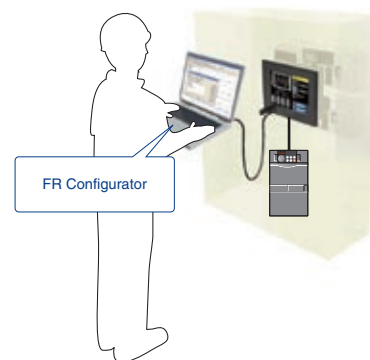
FREQROL-F700P/F700PJ inverters can automatically configure the communication parameters for GOT connection, making connections easy.



Can the program be debugged without opening the panel?

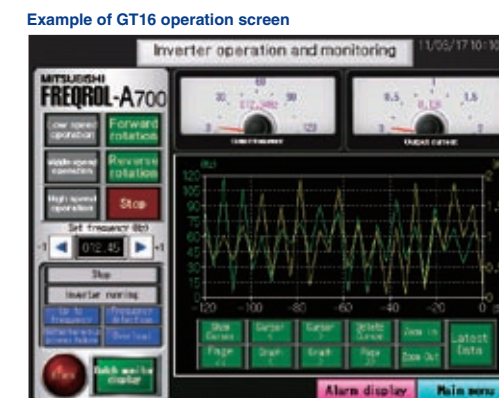
FA transparent function

Connected with a personal computer, the GOT acts as a transparent gateway to enable startup and adjustment of equipment using FR Configurator. Users do not have to bother with opening the cabinet or changing cable connections.



Ideal for inverter operation!

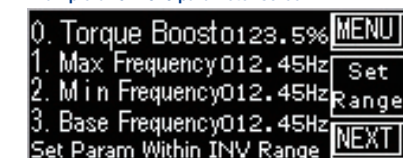
Can the inverter status be monitored on the GOT?



Easy-to-understand display

Operation commands and parameters can be set from a GOT. On the GT1020/GT1030, three different backlight colors can be switched between screens, making it easy for operators to read and operate the screens.

Example of GT1020 parameter screen



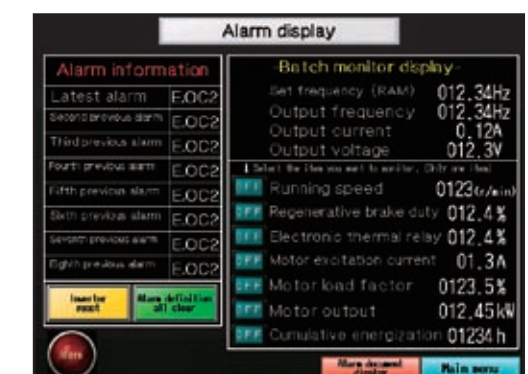
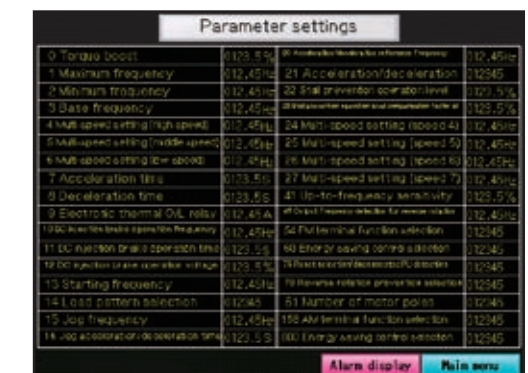
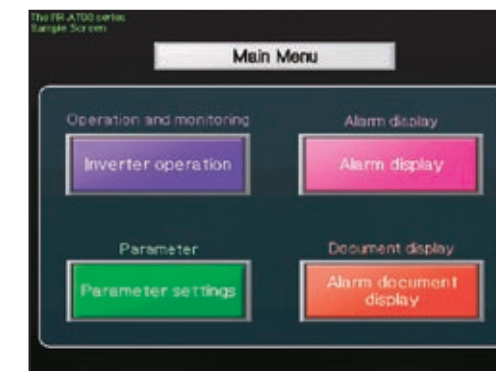
Example of GT1030 operation screen



Can inverter parameters be changed easily?

Ready-to-use sample screens

Sample screen data for specifying parameters is available.



FA Solutions

Faster robot control!



Industrial Robot
LINK4 MELFA X GOT1000

Powerful functions for robotic systems!

Can the teaching box and the personal computer used for setup be consolidated into a single unit?

Consolidate and centralize robot monitoring and control functions on production floor using the GOT

Even if a teaching box is not available, the GOT can be used to operate the robot and easily check the current position data and error details. Consolidating panel operations into the GOT improves operation and maintenance work efficiency.

Immediately check the robot status!

Operation and maintenance on the GOT

- Robot operation screen
- Robot current position monitor screen
- Load rate/current value display screen
- Maintenance forecast screen

Consolidated panel operations

Robot internal information (data)
Error information/Variable information/Program information
Robot information (current speed/attainment rate, etc.)
Maintenance information (battery/grease remaining time, etc.)
Servo motor (load rate/current value, etc.)



Robot controller

Teaching box

Robot programming & engineering software

Ideal for robot programming!

Can the robot program be easily accessed?



Ready-to-use sample screens

Sample screen data is available for robot operation, current position monitoring, and other purposes. There is no need to create robot programs from scratch.



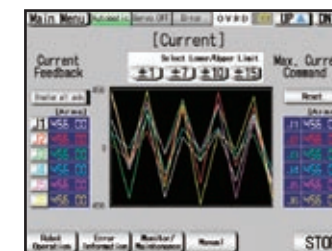
Robot operation panel screen



Robot jog/hand operation screen



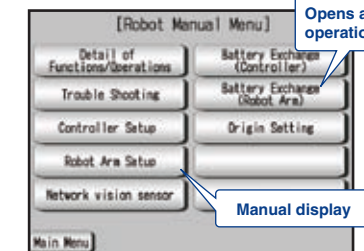
Robot current position monitor screen



Robot load rate/current value monitor screen



Robot maintenance forecast screen



Robot manual menu screen

Opens a video of operation examples

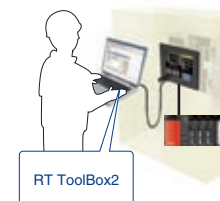
Manual display

Can the program be debugged without opening the panel?



FA transparent function

Connected with a personal computer, the GOT acts as a transparent gateway to enable start up and adjustment of equipment using RT ToolBox2. Users do not have to bother with opening the cabinet or changing cable connections.



RT ToolBox2

Can devices in the robot controller be validated?



System monitor function

Embedded monitoring utilities are available enabling users to view and change device values.

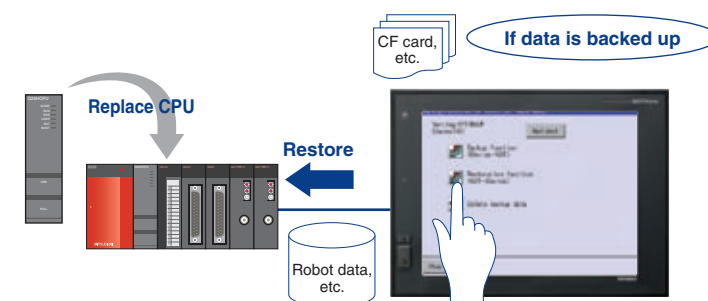
In the event of trouble!

Can robot profiles be recovered after controller failures?



Backup/restoration function

Robot controller data can be backed up to the CF card or USB memory in the GOT. Users can perform batch operation to restore the data to the robot controller.



Simplifying numerical control.



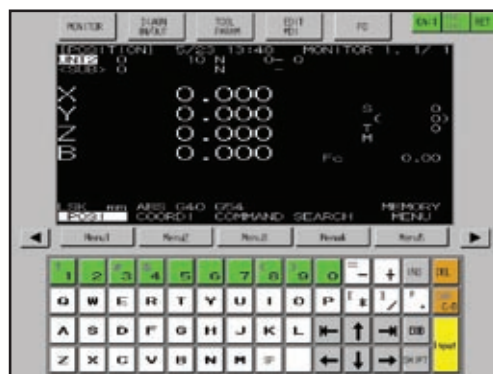
Numerical Control Unit
LINK5 C70 Series **GRAPHIC OPERATION TERMINAL**
X GOT1000

Powerful function for CNC startup, machining and changeover!

Can CNC parameters be changed easily?

CNC monitor function

The CNC C70 and MELDAS C6/C64 can be monitored and the parameters can be changed.

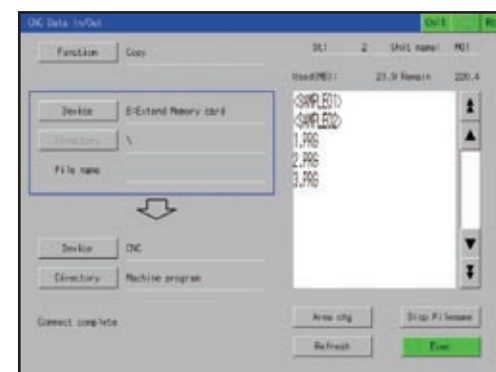


Can CNC devices be easily validated?

Can errors or the status of the CNC be validated quickly?

CNC data I/O function

Data, such as machining programs and parameters, can be copied from a GOT CF card or USB memory to the CNC C70 and vice versa. Data can be deleted as well.



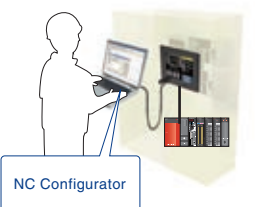
System monitor function

Embedded monitoring utilities are available enabling users to view and change CNC C70 and MELDAS C6/64 device values.

Can the program be debugged without opening the panel?

FA transparent function

Connected with a personal computer, the GOT acts as a transparent gateway to enable start up and adjustment of equipment using NC Configurator, etc. Users do not have to bother with opening the cabinet or changing cable connections.



Ideal for CNC programming!

Can CNC programs be validated directly from the GOT?

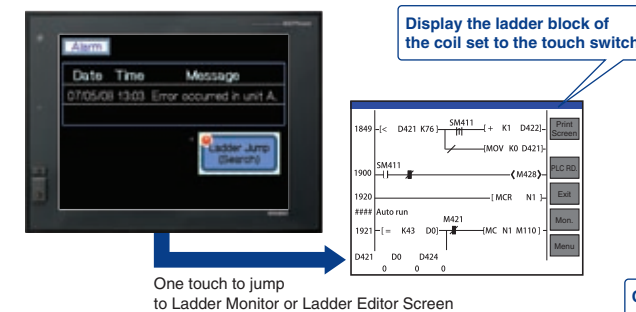
Ladder monitor function

CNC C70 and MELDAS C6/C64 sequence programs can be monitored in a circuit diagram (ladder format).

Can the root cause be easily identified?

One-touch ladder jump function

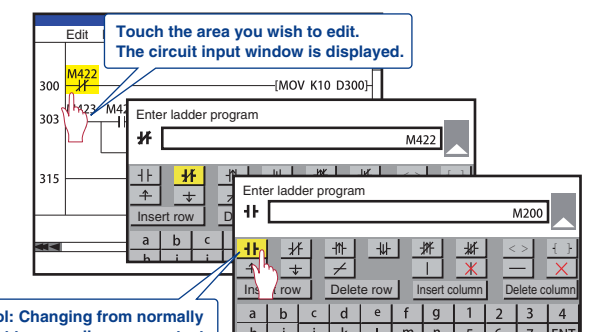
By setting a program name and coil number of the CNC C70 to a touch switch, the relevant ladder circuit block can be displayed directly. Problems can be handled smoothly from the alarm screen.



Can programs be changed easily without a personal computer?

Ladder editor function

Sequence programs of the CNC C70 can be edited in a circuit diagram (ladder format).

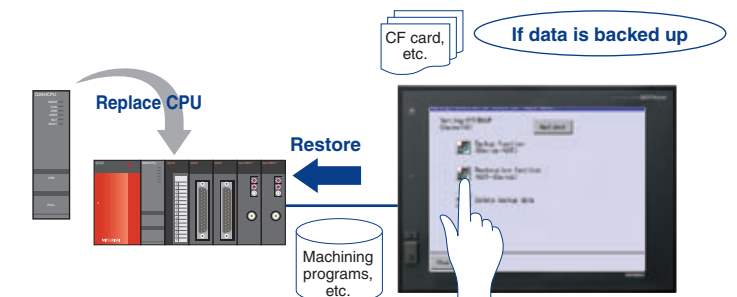


In the event of trouble!

Can the CNC programs be recovered after failure?

Backup/restoration function

CNC C70 data such as machining programs and parameters can be backed up to the CF card or USB memory in the GOT. Users can perform batch operation to restore the data to the CNC C70.



CASE STUDY 2

FA Solutions

Improving vision integration.

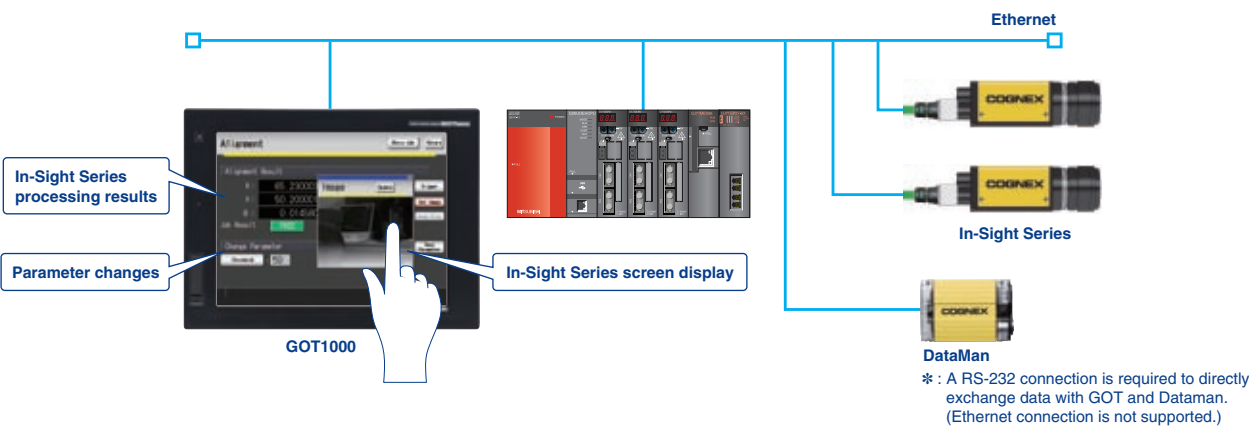


Powerful functions for vision systems!

Can automation and vision systems be consolidated into a platform?

Displaying the In-Sight Series processing results on the GOT

By connecting a GOT to the In-Sight Series and PLC over Ethernet, the In-Sight Series processing results can be displayed and parameters can be changed on the GOT. The GT16 model has a standard Ethernet port, allowing the system to be built easily.



Can other COGNEX products be connected?

Connect to various COGNEX products

The In-Sight vision system and DataMan barcode reader can be connected to the GOT.

Ideal for configuration!

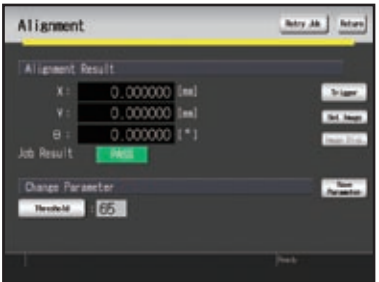
Can vision parameters be changed from the GOT?

Ready-to-use sample screens

Sample screen data is available for checking the results of positioning, inspection, and reading characters.

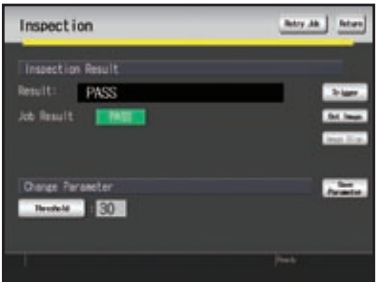
[Alignment screen]

The workpiece position and posture detected with In-Sight Series as well as the success or failure state of the detection are displayed. The workpiece detection threshold can be changed from this screen.



[Inspection screen]

The results of workpiece inspections carried out with the In-Sight Series are displayed. The workpiece detection threshold can be changed.



[Code recognition screen]

The results of reading ID codes with the In-Sight Series are displayed. The reading mode (read/verify or change character string during verification) can be selected.

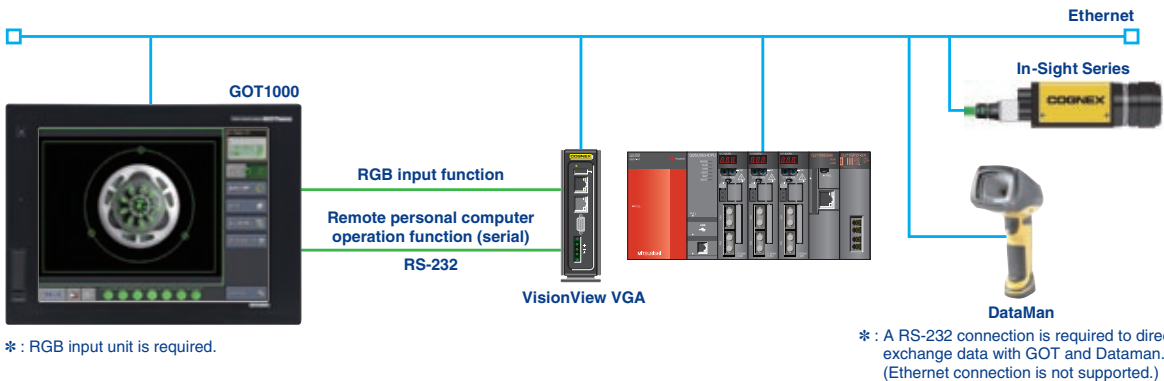


Ideal for monitoring operations!

Can vision applications be handled easily at the worksite?

Displaying In-Sight Series vision applications on the GOT

Connect the COGNEX VisionView VGA with the GOT to display the In-Sight Series Vision Application screen. While monitoring connected devices such as PLCs, it is possible to switch to the Vision Application screen when necessary to display live images, specify parameters with touch operations, and perform other operations.



MEMO

Horizontal dashed lines for writing on page 22.

MEMO

Horizontal dashed lines for writing on page 23.

Mitsubishi Electric Corporation Nagoya Works and Himeji Works are factories certified for ISO14001 (standards for environmental management systems) and ISO9001 (standards for quality assurance management systems).



Mitsubishi Graphic Operation Terminal

Precautions for Choosing the Products

This catalog explains the typical features and functions of the GOT1000 series HMI and does not provide restrictions and other information on usage and module combinations.

When using the products, always read the user's manuals of the products.

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.

For safe use

- To use the products given in this catalog properly, always read the related manuals before starting to use them.
- The products within this catalog have been manufactured as general-purpose parts for general industries and have not been designed or manufactured to be incorporated into any devices or systems used in purpose related to human life.
- Before using any product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
- The products within this catalog have been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

Country/Region	Sales office	Tel/Fax
USA	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway, Vernon Hills, IL 60061, USA	Tel: +1-847-478-2100 Fax: +1-847-478-0327
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Av. Paulista, 1439-CJ. 72 Cerqueira Cesar CEP 01311-200, Sao Paulo, SP, CEP: 01311-200, Brazil	Tel: +55-11-3146-2200 Fax: +55-11-3146-2217
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8, D-40880 Ratingen, Germany	Tel: +49-2102-486-0 Fax: +49-2102-486-1120
UK	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, UK.	Tel: +44-1707-276100 Fax: +44-1707-278992
Italy	Mitsubishi Electric Europe B.V. Italy Branch Viale Colleoni 7-20041 Agrate Brianza (Milano), Italy	Tel: +39-039-60531 Fax: +39-039-6053312
Spain	Mitsubishi Electric Europe B.V. Spanish Branch Ctra. de Rubí 76-80-AC.420, E-08190 Sant Cugat del Vallés (Barcelona), Spain	Tel: +34-93-565-3131 Fax: +34-93-589-1579
France	Mitsubishi Electric Europe B.V. French Branch 25, Boulevard des Bouvets, F-92741 Nanterre Cedex, France	Tel: +33-1-5568-5568 Fax: +33-1-5568-5757
Czech Republic	Mitsubishi Electric Europe B.V. Czech Branch Avenir Business Park, Radlická 714/113a CZ-158 00 Praha 5	Tel: +420-251-551-470 Fax: +420-251-551-471
Poland	Mitsubishi Electric Europe B.V. Polish Branch ul. Krakowska 50 32-083 Balice, Poland	Tel: +48-12-630-47-00 Fax: +48-12-630-47-01
Russia	Mitsubishi Electric Europe B.V. Moscow Office 52/3, Kosmodamianskaya nab., 115054, Moscow, Russia	Tel: +7-812-633-3497 Fax: +7-812-633-3499
South Africa	Circuit Breaker Industries Ltd. Private Bag 2016, ZA-1600 Isando, South Africa	Tel: +27-11-928-2000 Fax: +27-11-392-2354
China	Mitsubishi Electric Automation (China) Ltd. 17/F, ChuangXing Financial Center No.288 West Nanjing Road, Shanghai 200003	Tel: +86-21-2322-3030 Fax: +86-21-2322-3000
Taiwan	Setsuyo Enterprise Co., Ltd. 6F, No.105 Wu-Kung 3rd Rd, Wu-Ku Hsiang, Taipei Hsien 248, Taiwan	Tel: +886-2-2299-2499 Fax: +886-2-2299-2509
Korea	Mitsubishi Electric Automation Korea Co., Ltd. 1480-6, Gayang-dong, Gangseo-ku, Seoul 157-200, Korea	Tel: +82-2-3660-9552 Fax: +82-2-3664-8372
Singapore	Mitsubishi Electric Asia Pte, Ltd. 307 Alexandra Road #05-01/02, Mitsubishi Electric Building Singapore 159943	Tel: +65-6470-2460 Fax: +65-6476-7439
Thailand	Mitsubishi Electric Automation (Thailand) Co., Ltd. Bang-Chan Industrial Estate No.111 Soi Serithai 54, T.Kannayao, A.Kannayao, Bangkok 10230 Thailand	Tel: +66-2-517-1326 Fax: +66-2-517-1328
Indonesia	P.T. Autoteknindo Sumber Makmur Muara Karang Selatan, Block A / Utara No.1 Kav. No.11, Kawasan Industri Pergudangan, Jakarta- Utara 14440, P.O.Box 5045 Jakarta11050-Indonesia	Tel: +62-21-663-0833 Fax: +62-21-663-0832
India	Messung Systems Pvt., Ltd. Electronic Sadan NO: III Unit No.15, M.I.D.C. Bhosari, Pune-411026, India	Tel: +91-20-2712-3130 Fax: +91-20-2712-8108
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, Rydalmere, N.S.W. 2116, Australia	Tel: +61-2-9684-7777 Fax: +61-2-9684-7245

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
NAGOYA WORKS: 1-14, YADA-MINAMI 5, HIGASHI-KU, NAGOYA, JAPAN

When exported from Japan, this manual does not require application to the Ministry of International Trade and Industry for service transaction permission.