

Try robot software and robot options, and experience setting up a system using various FA devices

Create programs with intuitive operations

➤ RT ToolBox3: Visual program function

- Startup is facilitated for both collaborative robots and industrial robots.
- Graphical changes of the program block help understanding of the command details visually.

No need for a computer from startup to maintenance

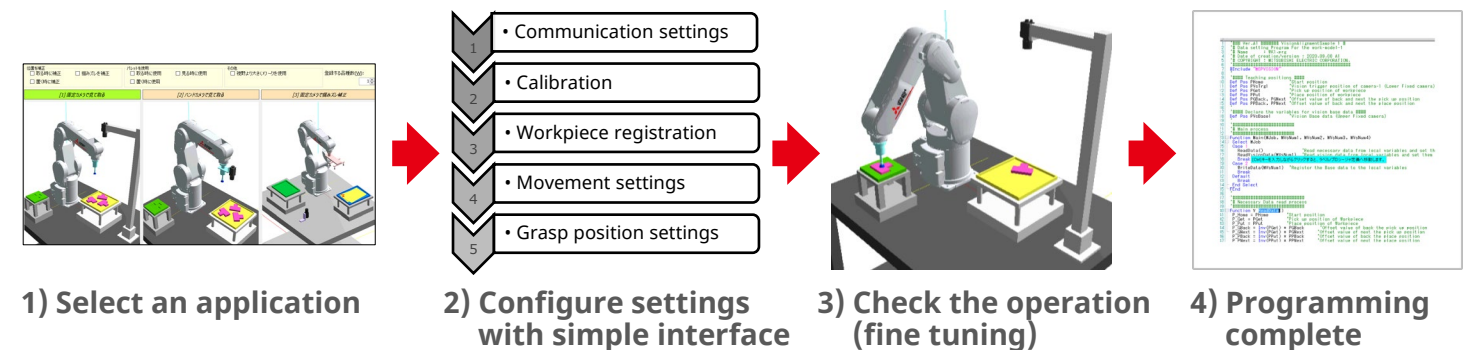
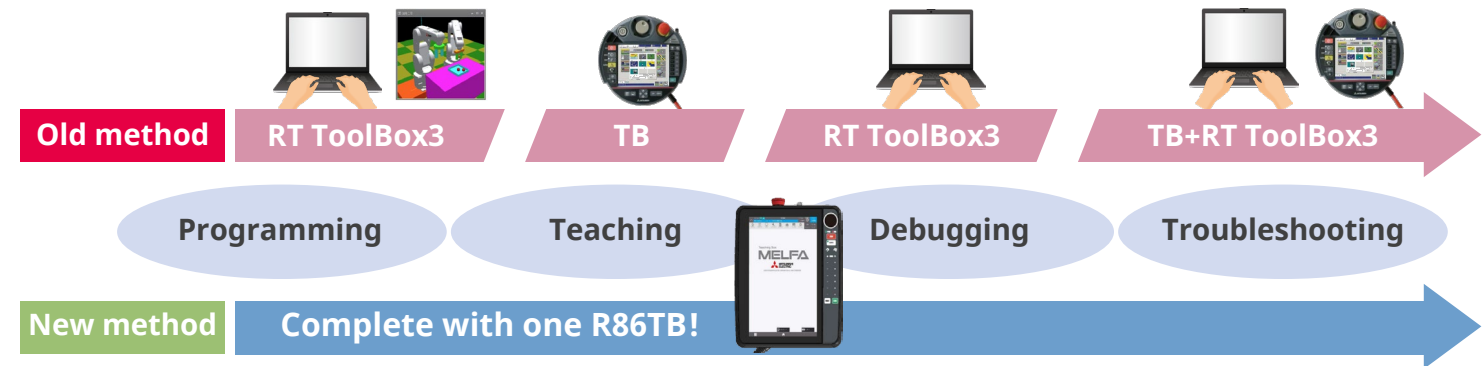
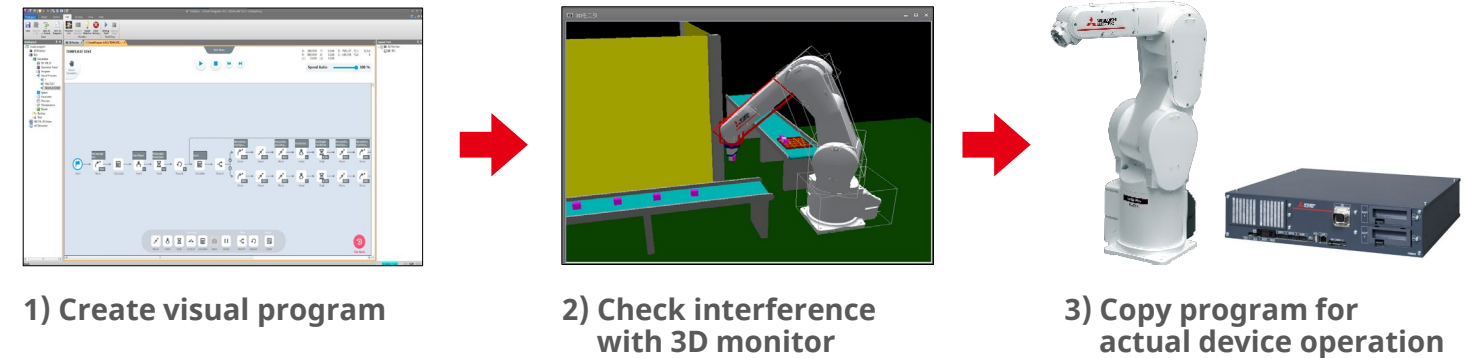
➤ High-performance teaching pendant: R86TB

- The intuitive user interface supports a wide range of users from first-time users to regular users.
- R86TB alone analyzes the cause of operational problems and resolves them using the functions such as the oscillograph and monitoring functions.

Enabling anyone to easily setup a vision sensor system

➤ MELFA Smart Plus: 2DVS enhanced function

- Use a simple animation to select a desired application and easily setup an operation.
- Just follow the guidance to configure the vision/robot settings and automatically create operation programs.
- RT ToolBox3 alone can complete the adjustment of the vision sensor and robot.



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MELFA **FR**
SERIES

MELFA

assist a

iQ Platform

① Easier power supply setup and wiring of collaborative robots

➤ Experience the **ASSISTA easy setup kit**, which eliminates the need for part arrangement, design, and crimping work

② Easier programming of industrial robots

➤ Experience the **visual programming compatible with the industrial robot**

③ Easier operation and improved functions with the new teaching pendant

➤ Experience the **highly functional R86TB with a new large-screen touch panel**

④ Easier construction of safety systems for all devices and robots

➤ **Guidance on how to construct a safety system for all devices using a safety CPU**

⑤ Assistance with determining where to start in order to sophisticate your production site based on IoT data

➤ **e-F@ctory support module that allows visualization and simple analysis of production site data**

⑥ Easier coordinating your robot with your sequencer

➤ **Guidance on the FB library that makes it easy to link MESEC iQ-F and MELFA CR800-D**

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MITSUBISHI ELECTRIC

MELFA
Smart Plus

7 Easier system design and product selection

➤ Experience the easy robot connection with a wide variety of partner products such as a variety of hands, sensors, and trolleys

8 Easier avoiding obstacles and robot interference

➤ **Guidance on the libraries of RapidPlan*¹ that easily to be controlled from your robot controller or sequencer**

*¹Realtime Robotics company(MELFA Robotics Partner) proprietary software RapidPlan. Automatic route generation technology. Contributes to significant cost reduction by reducing man-hours for programming robot movements

9 Easier adjustment of teaching points after robot position change

➤ Experience the automatic compensation function using a 2D vision system to detect point deviation caused by robot position change

10 Easier setup of vision sensor-integrated robot systems

➤ Experience easy setup of the robot and 2D vision system

11 Easier adjustment of parameters to precisely control the force sensor

➤ **Guidance on how to achieve optimal force sense control using force sense control parameters extracted by AI**

12 Easier adjustment of 3D vision sensor recognition parameters to match workpiece characteristics

➤ **Guidance on how to easily adjust 3D vision sensor recognition parameters extracted by AI**