

Report of R86TB Ver. 1.30G release

■ Date of issue

JULY 2026

■ Applicable models

MELFA ASSISTA/FR/CR/F/SQ/SD series

Thank you for your continued support of Mitsubishi Electric industrial robot "MELFA".
This technical news describes the new version 1.30G of R86TB.

1 Added models

The following models have been added.

No.	Product Name	Supported Models for R86TB
1	RH-2FRH2515-(D/R/Q)	RH-2FRH2515-D/R/Q
2	RH-3FRHR3513-D-SA	RH-3FRHR3513-D-SA
3	RH-3CRH4018-D-S22	RH-3CRH4018-D-S2
4	RH-6CRH6020-D-S22	RH-6CRH6020-D-S2
5	RH-6CRH7020-D-S22	RH-6CRH7020-D-S2
6	RV-20FRL-(D/R)-SC771	RV-20FRL-D/R-SC77

2 Safety Improvement Through Communication Control Enhancements

Due to the impact of communication processing changes introduced in R86TB Ver.1.21X, we have confirmed an issue in the function that allows the robot to operate only while the sheet key button is being pressed. Under certain conditions, the robot may rarely continue operating even after the button has been released.

If this condition occurs, the robot can still be stopped by pressing the Emergency stop button, releasing the 3-position enable switch, or squeezing the switch further to its fully actuated position. The robot will also stop automatically when the currently executing motion command is completed.

This issue has been addressed in Ver.1.30G. Customers using Ver.1.21X are advised to consider upgrading to Ver.1.30G.

3 Robot additional axis parameter supports MR-J5-B

With CR800 series controllers Ver. E4 or later, the MR-J4-B / MR-J5-B servo amplifiers can be selected.

When MR-J5-B is selected, the torque limitation rate can be configured.

4 Added the CC-Link IE TSN parameter screen

The CC-Link IE TSN parameter screen has been added.

This function is available in CR800-D series robot controller software Ver. E4 or later.

5 Added the Modbus TCP parameter screen

The Modbus TCP parameter screen has been added.

This function is available in CR800 series robot controller software Ver. E4 or later.

6 Register monitor supports Modbus TCP

The ability to view and modify Modbus TCP register values has been added to the Register monitor screen.

7 Column width adjustment for position variables

Enabled changing the column width of each item in the position variable list in program editing and spline editing.

Column Width

Name		115	Comment		300
X		120	B		120
Y		120	C		120
Z		120	L1		100
A		120	L2		100
FLG1		75	FLG2		140

Reset to Default

Cancel

OK

8 User definition screen specification change

Enabled changing the label alignment (left/center/right).

Create Label

Name:

Pallet 1

✓ 2 Lines

UP

Arrangement:

Left

Center

Right

Cancel

OK

9 Robot viewer options support

Enabled opening the options screen from the robot viewer.

125351

Parameter

RUN

TEACH

MANUAL

OVRD 100%

PRG: 123

1

Program Selection Possible

Program

Parameter

Monitor

Maintenance

Backup

Tool

Manual

Option

TOOL #1

TOOL3

BASE0

WORK1

Robot Viewer Option

Layout

Robot Viewer

Projection Type :

Perspective

Orthograph

Zoom Type :

Origin

Screen Center

Light Position :

Upper Left

Up

Upper Right

✓ Display Floor

Setting

✓ Display Coordinate Axes

Background Color :

No change

Robot Model

Display Type :

Solid

Wire Frame

Model Type :

Detail

Simplified

☐ Display Solenoid Valve

✓ Display Tool Coordinate System

✓ Display Tool Position

Display Work Coordinate :

Setting

Display Layout :

Layout

Select

☐ Display Collision Avoidance Area

Hand :

Hand0

Work :

Work0

Display User-defined Area :

Setting

Display Free Plane Limit :

Setting

Display Monitoring Planes :

Setting

Display Monitoring Area :

Setting

Display AREA Input :

Setting

☐ Display Arm Model

Display Tool Model :

Setting

Cancel

OK

Option