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Changes for the Better

Mitsubishi Electric Corporation Industrial Robot

MELFA Technical News

BFP-A6079-0107E

November 2013

Subject: Report of RT ToolBox2 Version 3.00A release

Applicable to: Ｆseries, ＳＱseries, ＳＤseries, Ｓseries
(CR750／CRnQ-700／CRnD-700／CRn-500 series robot controller)

Thank you for your continued support of Mitsubishi industrial robot "MELFA".

This Technical news describes the new version 3.00A of the RT ToolBox2. 3D-11C-WINJ(E)/3D-12C-WINJ(E)

1.Model addition
The following models were added.

<RV-F Load maximum:4Kg 5 axes long arm>
  RV-4FJL-D/Q RV-4FJL-D/Q-SH
<RV-F Load maximum:4Kg 5 axes long arm / Clean specification>
  RV-4FJLC-D/Q
<RV-F Load maximum:4Kg 5 axes long arm / Mist specification>
  RV-4FJLM-D/Q RV-4FJLM-D/Q-SM

<RH-FHR Load maximum:3Kg>
  RH-3FHR3515-D/Q
<RH-FHR Load maximum:3Kg/ Clean specification >
  RH-3FHR3512C-D/Q
<RH-FHR Load maximum:3Kg/ Waterproofing>
  RH-3FHR3512W-D/Q

2.Function improvement

● Corresponds to Windows8.1

Windows 8.1 (32/64-bit version) (*1)
Windows 8.1 Pro (32/64-bit version) (*1)
Windows 8.1 Enterprise (32/64-bit version) (*1)

(*1) When installing in Windows8.1
When you install this software, [.NET Framework 3.5 (includes .NET 2.0 and 3.0)] feature should be turned on.
Refer to Chapter 1.5.1.1 of "RT ToolBox2 / RT ToolBox2 mini User's Manual" for the method of a present state confirmation and turning on.

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● Corresponds to MELFA-3D Vision 1.00A

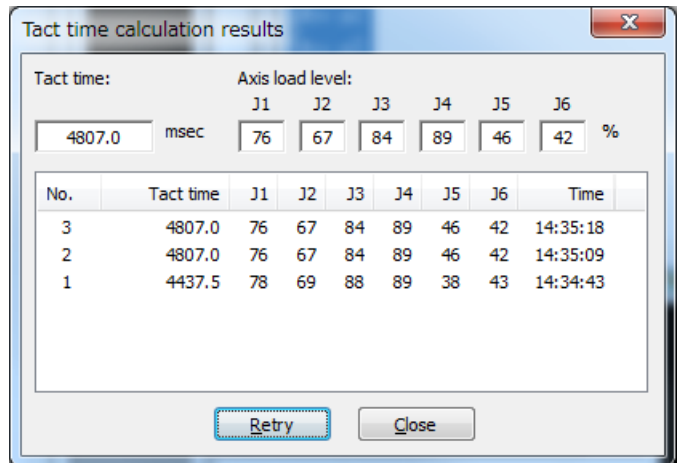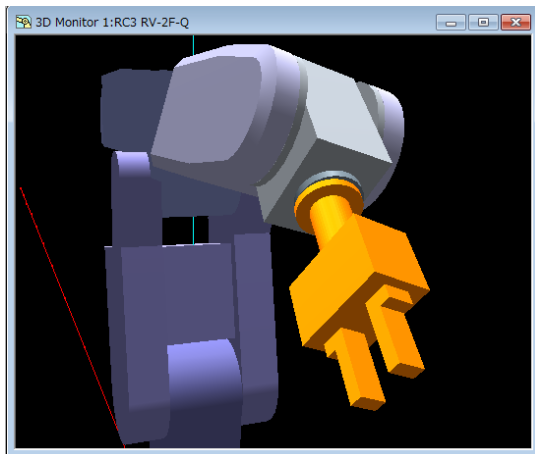The function for the support of MELFA-3D vision was added.
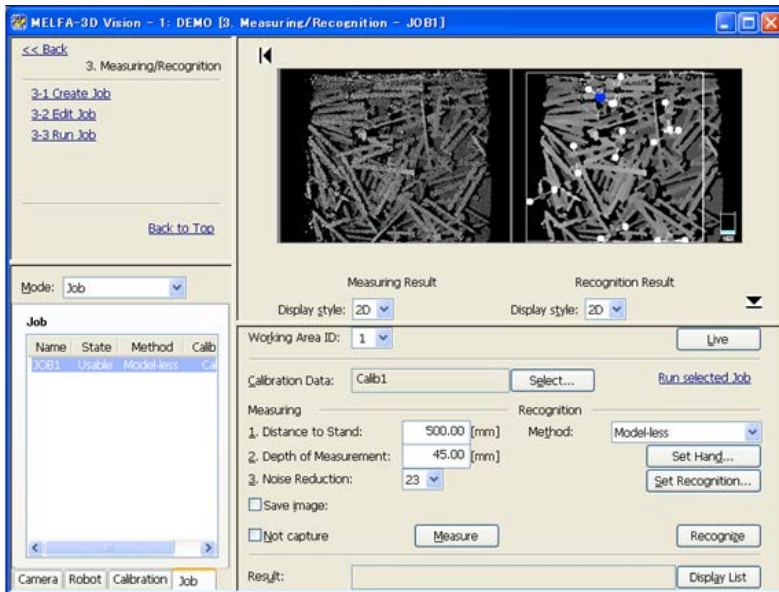
● The oscillograph screen was added.

The graphical representations of robot controller's various data can be done.
When connecting it with the robot controller S4b/R4b or later, high-speed data transmission
(real time monitor function) can be used.
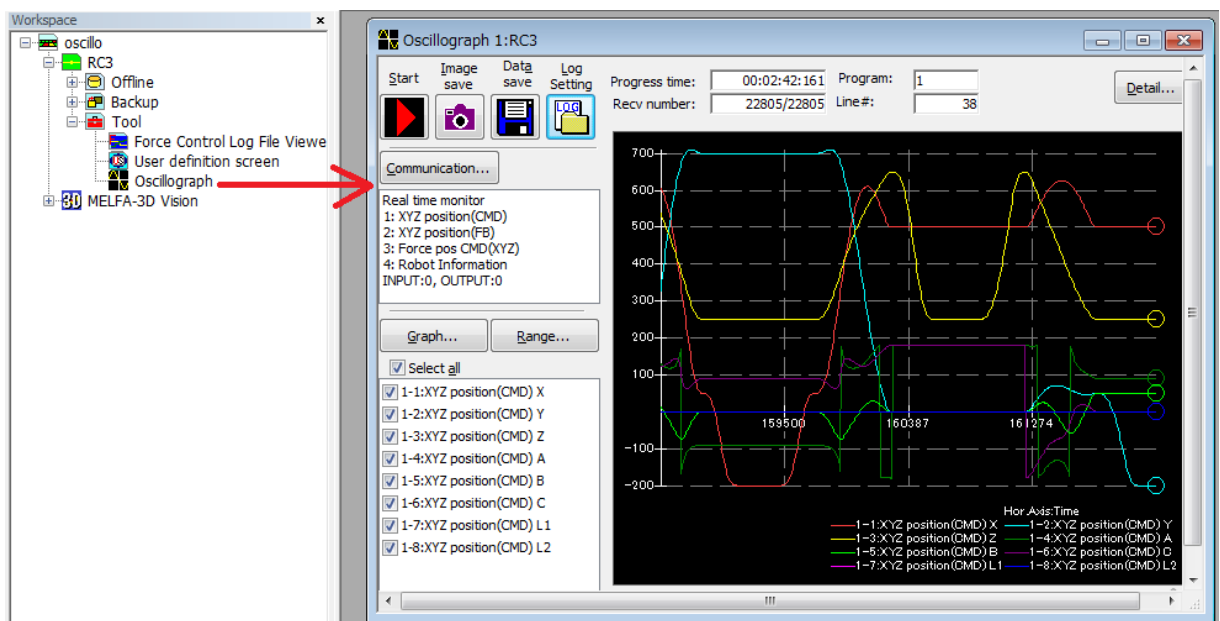
● Improvement of simulation facility

・3D model data that can be loaded is assumed to be STL, OBJ, 3DS, PLY, and VRML.
・The robot hand is made for 3D model to be attached.
・The direction of the flange can be non-displayed.
・The function of servo monitor was added.
・The function of calculation of axis load level was added.
　This function can be used by simulating F series.

● The special parameter setting screen was added.

・The parameter setting screen for the DeviceNet was added.

・The parameter setting screen for the EtherNet/IP was added.

・The parameter setting screen for the PROFINET was added.

・The parameter setting screen for the Ethernet specification was changed.
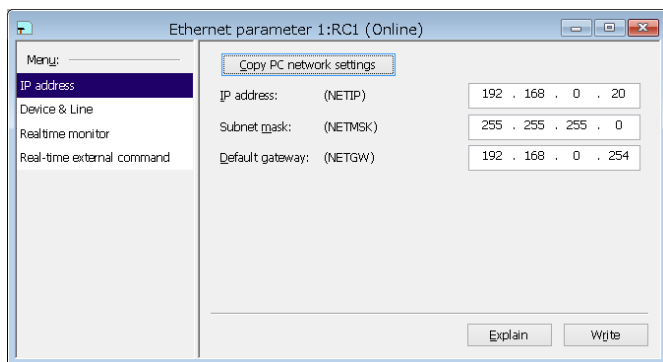
● The function to restore the data of file manager was added.

The file that the user originally made can be restored.
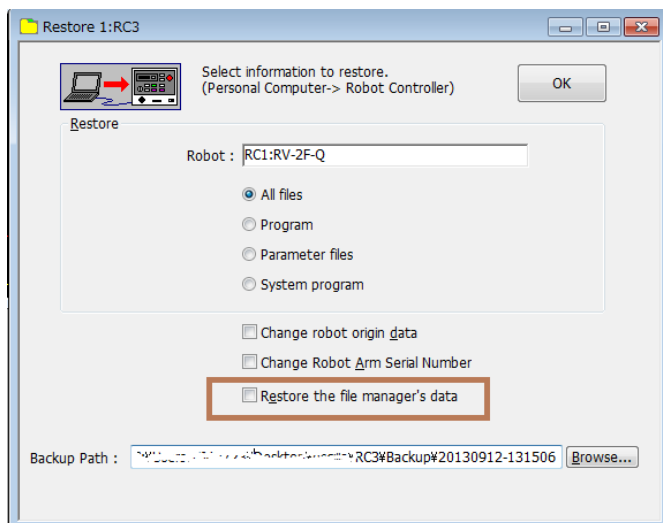
● It corresponded to a transparent communication that by way of GOT2000.

3. Trouble correction

● Repair of communication trouble

After GX Works2 Ver.1.497T had been installed, the problem that USB was not able to communicate between robots CPU for RT ToolBox2 and iQ Platform was solved.