

# MITSUBISHI

Mitsubishi Electric Corporation **Industrial** Robot

BFP-A6079-0120E

## MELFA Technical News

April 2014

**Subject:** Report of RT ToolBox2 Version 3.10L release

**Applicable to:** F series, SQ series, SD series, S series  
(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 3.10L of the RT ToolBox2. 3D-11C-WINJ(E)/3D-12C-WINJ(E)

In order to use the functions described in this technical news, you need to download the latest version from MITSUBISHI ELECTRIC FA site, and upgrading the RT ToolBox2.

### 1. Additional function

#### ● Added the function of "Spline file edit".

The spline function can be used with Version S5/R5 or later of the robot controller software.

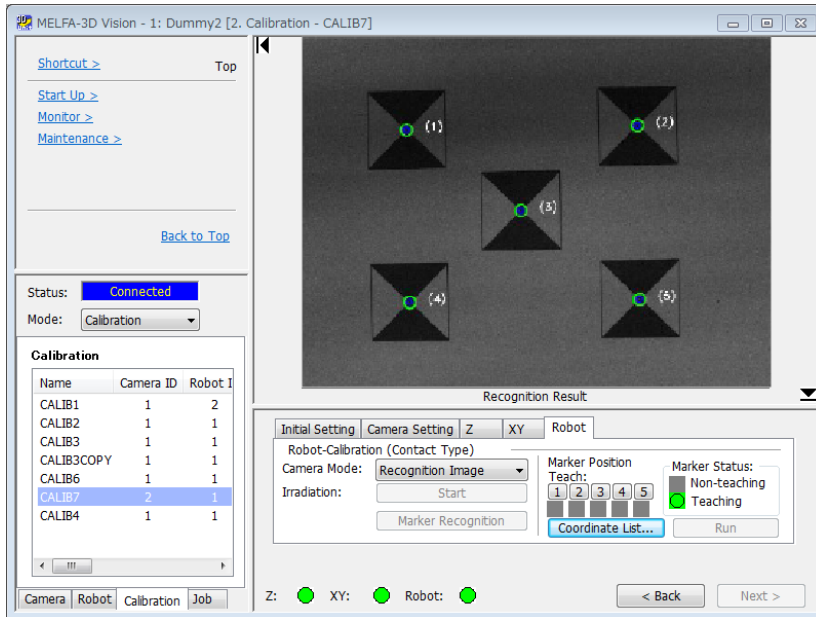
#	X[mm]	Y[mm]	Z[mm]	A[deg]	B[deg]	C[deg]	L1	L2	FLG1	FLC
1	198.980	-481.180	1.780	180.000	-0.120	180.000	0.000	0.000	R, A, N	
2	251.650	-432.370	1.620	180.000	-0.120	180.000	0.000	0.000	R, A, N	
3	270.890	-364.390	1.610	180.000	-0.120	180.000	0.000	0.000	R, A, N	
4	206.310	-298.090	1.590	180.000	-0.120	180.000	0.000	0.000	R, A, N	
5	108.180	-234.330	1.560	180.000	-0.120	180.000	0.000	0.000	R, A, N	
6	93.240	-155.060	1.540	180.000	-0.120	180.000	0.000	0.000	R, A, N	
7	124.380	-100.570	1.530	180.000	-0.120	180.000	0.000	0.000	R, A, N	
8	150.430	-40.290	1.520	180.000	-0.120	180.000	0.000	0.000	R, A, N	
9	186.270	7.160	1.510	180.000	-0.120	180.000	0.000	0.000	R, A, N	
10	256.510	117.430	1.490	180.000	-0.120	180.000	0.000	0.000	R, A, N	
11	316.990	171.290	1.480	180.000	-0.120	180.000	0.000	0.000	R, A, N	
12	334.160	273.750	1.450	180.000	-0.120	180.000	0.000	0.000	R, A, N	
13	265.680	355.810	1.430	180.000	-0.120	180.000	0.000	0.000	R, A, N	
14	195.040	414.980	1.410	180.000	-0.120	180.000	0.000	0.000	R, A, N	
15	146.400	489.410	1.390	180.000	-0.120	180.000	0.000	0.000	R, A, N	

Current position: 399.650 -87.300 374.560 -179.970 -0.120 167.700 0.000 0.000 R, A, N 1048576

## 2. Function improvement

### ● Improvement of MELFA-3D Vision

- Corresponded to MELFA-3D Vision Ver.1.1.



### ● The oscillograph screen was added.

The detail data column is displayed by the same color as the graph.

