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Changes for the Better

Mitsubishi Electric Corporation Industrial Robot

MELFA Technical News

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Subject: Report of F/SQ/SD series Tracking function

Applicable to: F series, SQ series and SD series
(CR750 / CRnQ-700 / CRnD-700 series robot controller）

Thank you for your continued patronage of the Mitsubishi Industrial Robot.

This newsletter presents the information about the tracking function.

About the change concerning the tracking function

(1) Change in tracking sample program.
The tracking sample program that was able to be downloaded from Mitsubishi website.

a) Unnecessary "Type 0,0" was deleted from "1.prg".

Before		After	
46	Mov P1 Type 0,0	46	Mov P1
73	Mov PWAIT Type 0,0	73	Mov PWAIT
102	Mov PPT,PUP2.Y Type 0,0	102	Mov PPT,PUP2.Y

b) The sample program for RH-3S*HR was added.

(2) Disclosing of adjustable parameter for tracking.
The following parameters were disclosed. When you adjust the tracking position, it is possible to use it.

Parameter	Parameter name	Class	Content explanation	Setting value at shipment
Acceleration time ratio	TRPACL	Real Value 8	The acceleration time is time that the conveyer considered a high-speed case. Therefore, The acceleration operation that pursues workpiece has slowed. The ratio at the acceleration time can be changed by using this parameter. For instance, the acceleration operation that pursues workpiece quickens when all elements are changed to "0.2".	1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0
Deceleration time ratio	TRPDCL	Real Value 8	The ratio of operation to follow to the deceleration time is specified as well as TRPACL. For instance, the follow end by Trk Off can be done fast by making all elements "0.2".	1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0

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