

DENSO Robotics Version Upgrading Information

Notice on Additional and Improved Functions of Controller and Software [December 2021]

Thank you for your continued patronage of the DENSO Robotics products.
Please be informed that the following functions will be improved and added in step with upgrading the RC9 Controller and various software versions. We will continue improving our services for our customers, and we wish to ask for your continued patronage.

● Version

RC9 Controller	Ver. 1.3.1
VRC9	Ver. 1.3.1
WINCAPS III	Ver. 3.63.3
RC Vision	Ver. 1.4.5

● Item

[RC9 Controller]

	Classification	Item
1	New function	World coordinate system function added
2	New function	External force following control function added
3	New function	Current limiting function added
4	Performance improvement	Multiple language support

[WINCAPS III]

	Classification	Item
1	Performance improvement	Multiple language support

[RC Vision]

	Classification	Item
1	New function	EVP2: Adjacent check function for Blob searches added

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● Item

[RC9 Controller]

Item	Outline
World coordinate system function added	World coordinate system can now be set on teach pendant and in WINCAPS. This function allows the robot position to be set with a higher degree of freedom. By designating the origin of the world coordinate system as the origin of the facility coordinate system, you can specify the robot position on the facility coordinate system.
External force following control function added	External force following control function has been added. This function allows the robot or its equipped tool to be highly compliant to an external force while the robot stops operating.
Current limiting function added	Current limiting function has been added. This function can be used to prevent excessive force from being applied to robots and workpieces, or to avoid a down due to over load or over current error. (Compatible robot modes/devices : 1st axis of floor-mounted VLA robots, Auxiliary axis [Sanyo R3E])
Multiple language support	Multiple language support (for German, Korean, and Chinese) has been added to key areas of teach pendant.

[WINCAPS III]

Item	Outline
Multiple language support	Multiple language support (for German, Korean, and Chinese) has been added to key areas of WINCAPS III.

[RC Vision]

Item	Outline
EVP2: Adjacent check function for Blob searches added	Adjacent check function for Blob searches has been added to EVP2. This function lets users set whether to exclude workpieces that are in contact with the outside of the detection range from detection.