neoROSET Version 2.0.2 to 2.0.5 Release Notice

1 Release Information

1.1 Release Version

neoROSET Version 2.0.2 to 2.0.5

Note: This release note summarizes the changes from ver. 2.0.2 to 2.0.5.

1.2 Release Summary

(1) Addition and improvement of functions

[Line Teach function]

Added the Line Teach function.

[License Application Wizard]

Added the License Application Wizard.

[Cubic-S function]

Added the Cubic-S function.

[Added Parameters to a Tool Model]

Added parameters such as load mass, center of gravity position, and moment of inertia to the tool model.

[Import and export functions of servo weld gun setting parameters]

Added a function to import and export the setting parameters of the servo weld gun from a file.

[Import function of teach points from CSV file]

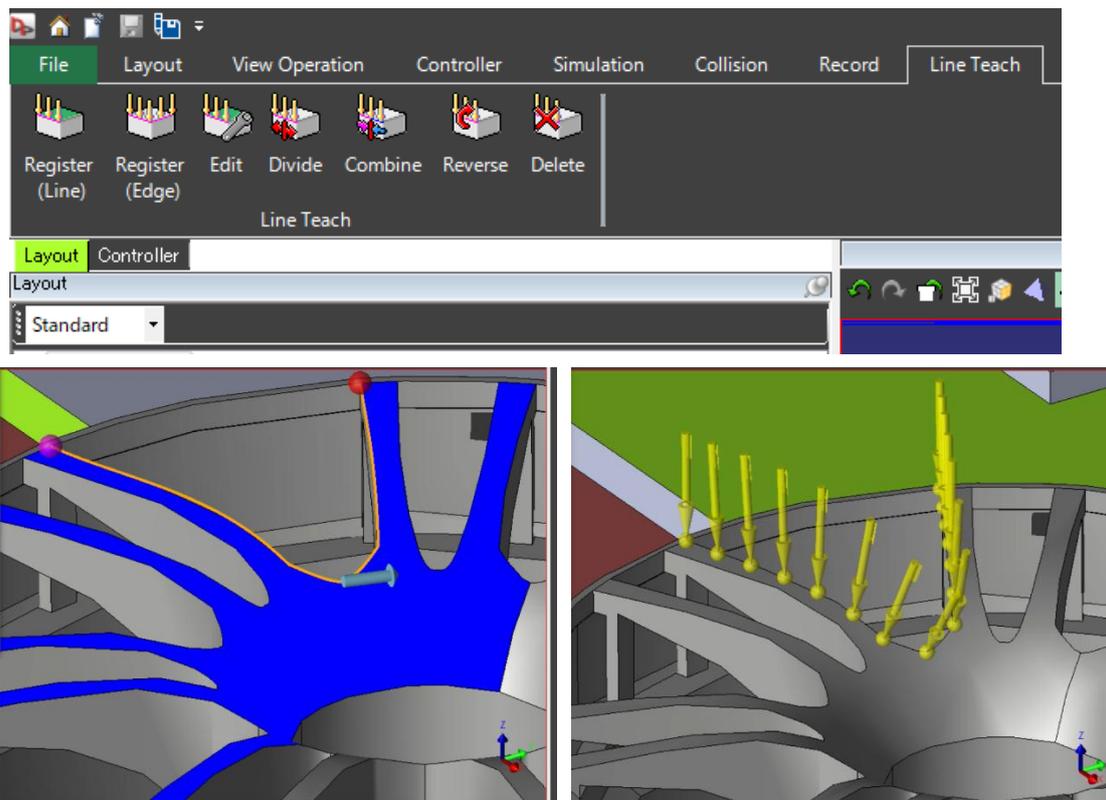Added an import function for teach points from a CSV file.

（2） Update controllers/robots/instructions to provide

Added the controller and the robot.

（3） Resolved item

Improved and fixed some items.

2 Major Additions and Improvements

2.1　Line Teach

Added the Line Teach function. The [Line Teach] menu item has been added to the ribbon menu, allowing access to various related features. This function enables you to create and edit any number of consecutive teach points along lines on a 3D model in a single operation.

For details about this function, please refer to the enclosed manual "neoROSET Operation Manual_EN.pdf.".

Note: To use this function, you must select "Import of workpieces for CAM teaching" when importing from CAD data.
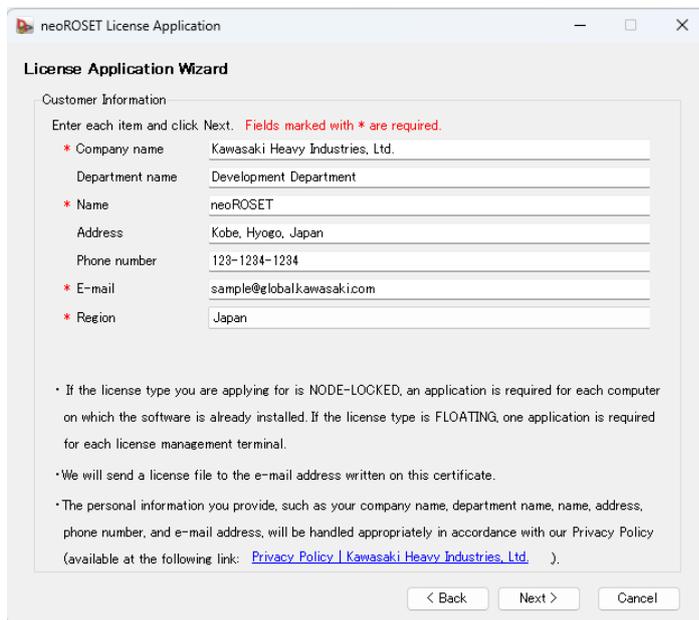
2.2　License Application Wizard

Added the License Application Wizard. By following the steps in this wizard and sending the generated email, you can apply for a new license, extend the period for updates, etc., or add optional features. After your license application is submitted, a sales representative will contact you regarding the purchase details.

Please refer to the manual below for information on how to apply for a license.

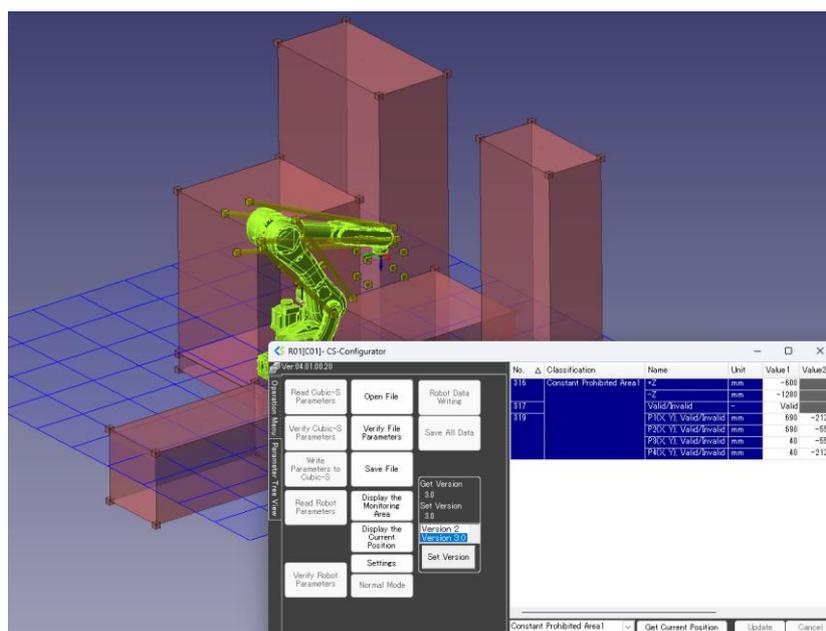Node-locked: "How To Apply for a neoROSET License File_Node-locked.pdf"

Floating: "How To Apply for a neoROSET License File_Floating.pdf"

2.3   Cubic-S function

Added the Cubic-S function. While the robot displaying the monitoring space is performing a simulation, various spaces are monitored. If an error is detected, the robot is stopped and an error message is displayed.

For details about this function, please refer to the enclosed manual "neoROSET Operation Manual_EN.pdf.".
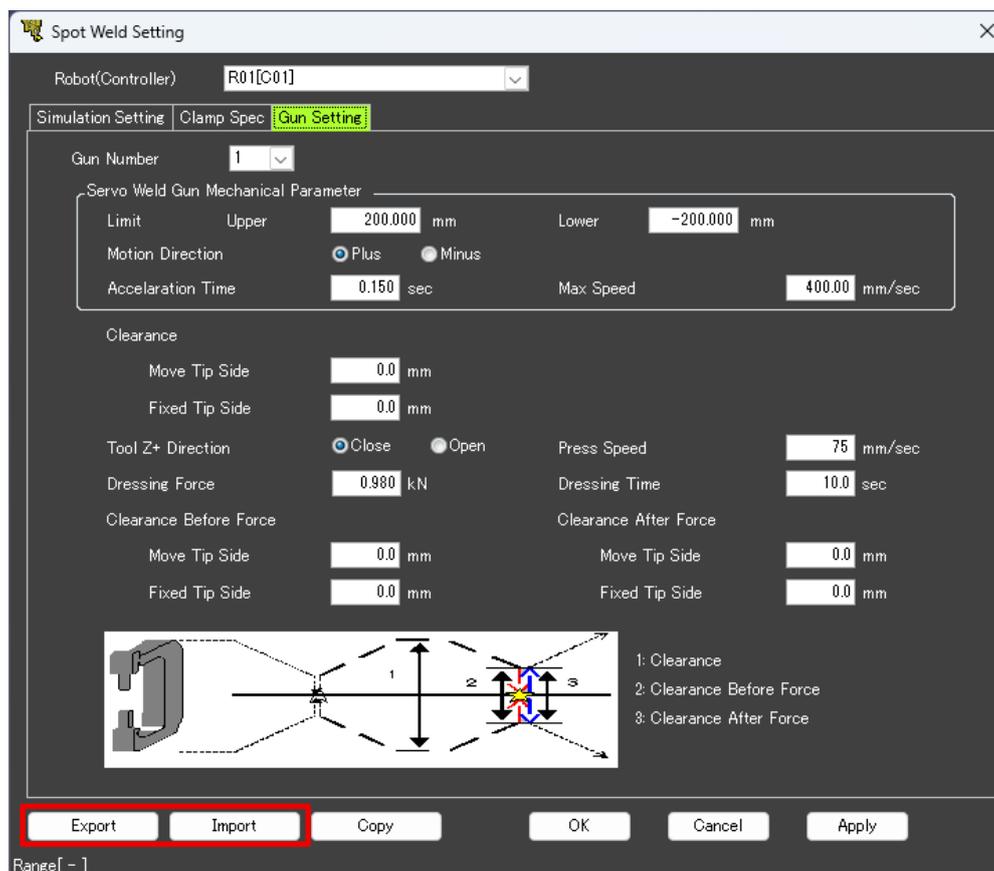
2.4 Added Parameters to a Tool Model

Added parameters such as load mass, center of gravity position, and moment of inertia to the tool model (kr2prj file). By exporting a kr2prj file with these parameters set, you can import the tool into another robot while retaining the parameter values.

2.5 Import and export functions of servo weld gun setting parameters

Added a function to import and export the setting parameters of the servo weld gun.
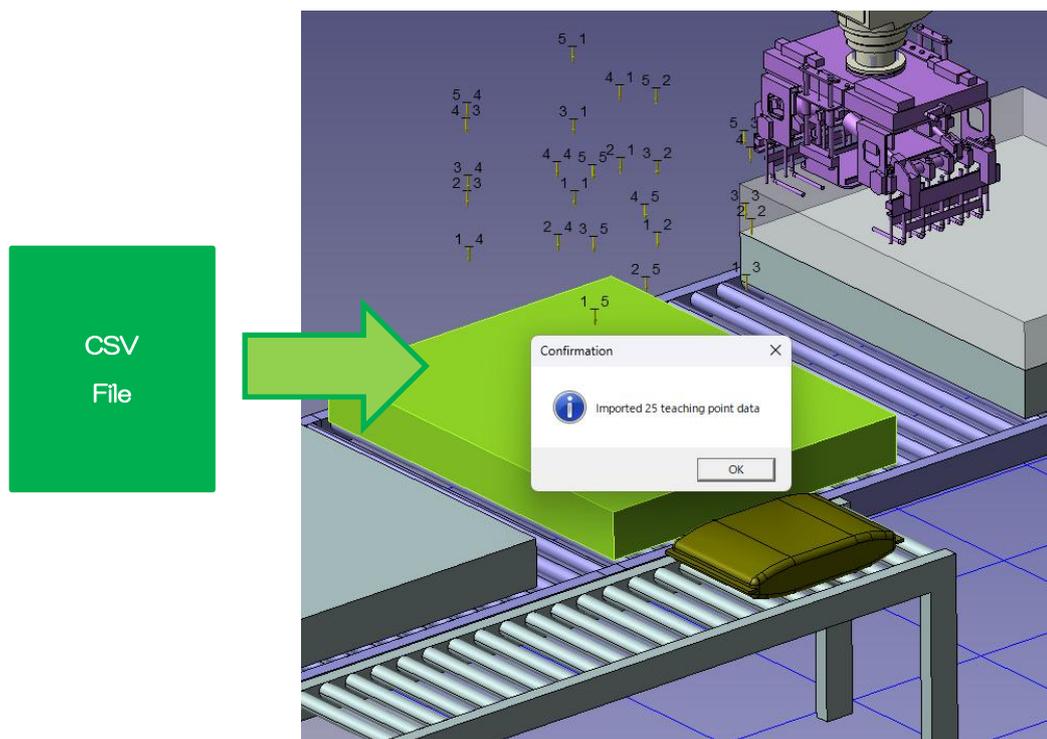
2.6 Import function of teach points from CSV file

Added a function to import multiple position data entries from a CSV file and create teach points.

This function can be accessed from the layout tree.

For details about this function, please refer to the enclosed manual "neoROSET Operation Manual_EN.pdf."

3　Supplied Controllers/Robots/instructions

The updated controllers/robots/instructions in this release are as follows.

For all the controllers/robots/instructions provided by neoROSET, see Appendix in Operation Manual.

3.1　Controller Library

3.1.1　Handling

- F controllers
  F1010200K

3.1.2　Explosion-proof Paint

- E controllers
  80000Z4M

3.2　Robot Library

3.2.1　Handling

- F controllers
  - ➢ CP Series
    CP110L-AC01
  - ➢ R Series
    RS025S-AC01

3.2.2　Explosion-proof Paint

- E controllers
  - ➢ KL Series
    KL262-G001, KL262-G002, KL262-G103, KL262-H002

3.2.3　Arc Welding

- F controllers
  - ➢ BA Series
    BA006L-A001, BA006N-A001
  - ➢ R Series
    RA005L-A001, RA006L-A001, RA010L-A001, RA010N-A001,
    RA020N-A001

3.3　Instruction

There is no instruction update.

4 Resolved Items

The following items are resolved in this release.

- Added / Improved
  - ・ Improved the Alignment function so that the origin arrow can be selected at the model origin.
  - ・ Improved the Measure the Distance function so that the origin arrow can be selected at the model origin.
  - ・ Improved so that the appearance of models in perspective projection can be adjusted.
  - ・ Added a progress dialog to the Auto display of cycle time shown after simulation.
  - ・ Improved the ruler so it can be moved using mouse operations.
  - ・ Improved the alignment function so it can be executed continuously without closing it each time.
  - ・ Improved the usability of the Change Position dialog (mouse-wheel operation).
  - ・ The alignment function now supports 'teaching point'.
  - ・ Added a link to display supported CAD data formats in each CAD file import window.
  - ・ Improved the toolbar button layout in the AS-IDE.
  - ・ Improved the Instruction speed specification to allow values other than percentages.
  - ・ Added a feature to batch-rename object names.
  - ・ Improved the 3D PDF function to allow model color and visibility states to be saved.
  - ・ Added a feature to make some windows transparent.
- Bug Fixes
  - ・ Fixed an issue where connection-destination data could not be copied to a different controller in Program Conversion.
  - ・ Fixed an issue where the model's alignment position shifted when the model rotated in Alignment function.
  - ・ Fixed an issue where, if a model was deleted while recording a 3DPDF, saving the 3DPDF afterward caused the system to remain stuck in the recording state.
  - ・ Fixed an issue where the Interface Panel Editor did not open for F controller Arc Welding.
  - ・ Fixed an issue where OAT values were reset when modifying settings in the Wizard to Set External Axis.
  - ・ Fixed an issue where dragging a CAD file onto the view and performing CAD conversion prevented drag operations in other applications.
  - ・ Fixed an issue where starting the TimeLine during a simulation with eight robots could cause the system to freeze.
  - ・ Fixed an issue where simulation performance slowed when highlighting nodes other than the root node in the layout tree.

- Fixed an issue where closing the taskbar icon during the splash screen display caused an error.
- Fixed an issue where a Teach point could remain when pressing the Close button on the Add Click Teaching point screen.
- Fixed an issue where the screen could become locked in the Palletize Configurator.
- Fixed an issue where the view could be updated repeatedly when switching tools.
- Fixed an issue where Controller Data saved in a project could be lost.
- Fixed an issue where PC-AS could forcibly terminate when pressing the A key + arrow keys on the teach pendant of the E controller Arc Welding.
- Fixed an issue where an exception could occur when the project name contains numeric characters other than half-width digits.
- Fixed an issue where the order of the ribbon menu could change in a Chinese-language environment.
- Fixed an issue where two clamp zones could be created.
- Fixed an issue where programs in the connected Controller Data could be rolled back when running a simulation.
- Fixed an issue where the AS-IDE could freeze when the reload process is executed consecutively.

5 Precautions

The precautions when using the software is described below.

5.1 Installation

If you installed an older version of the software, uninstall it first.

Uninstalling does not erase your created data.

5.2 Operating Environment

See "90210 -1515 neoROSET Operation Manual Chapter 2.1" for operating environment.

5.3 License

neoROSET requires license activation.

You cannot start neoROSET without a license.

For details about the license, see "90210 -1515 neoROSET Operation Manual 2.3 License."

5.4 User folders

You cannnot use folders that are synchronized or shared with services such as OneDrive as user folders. If a folder is subject to synchronization or sharing, open [Options]tab - [Options] - [Environment], and change the Reference for [MyKHIlibraries].

5.5 Others

For other restrictions, see "neoROSET Operation Manual Chapter 8.3 Overall neoROSET Restrictions".