



ClassNK-PEERLESS **MODELER**

ClassNK-PEERLESS **VIEWER**

Upgrade News 2018.1

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1. ClassNK-PEERLESS Modeler

1.1. Important Changes

The "Layout" tab has been divided into two tabs "Alignment" and "Preparation".

"Alignment" Process of moving the coordinates of the point cloud

"Preparation" Process of editing such as deletion or thinning of point clouds. (Including WCS from/to LCS)

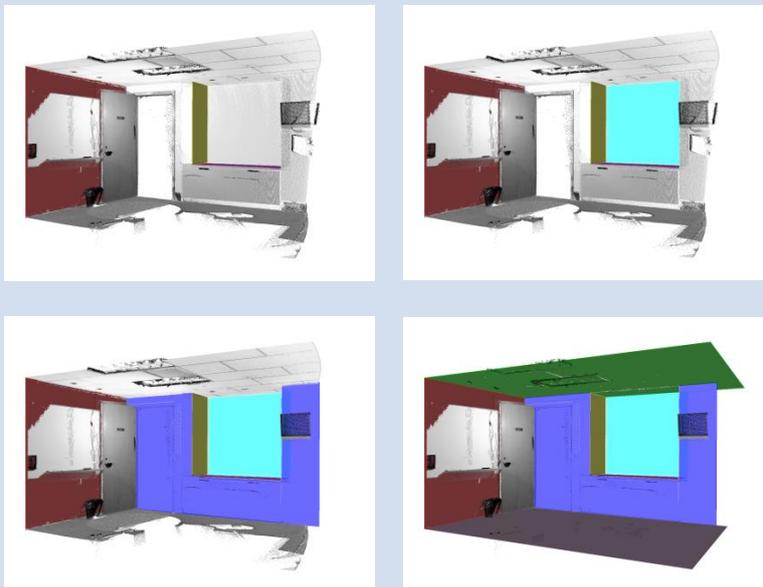
1.2. New Features

This software release contains the following new features.

Category	Description	Armo ID
3D Dimension	<p>Added a 3D dimension functions.</p> <p>3D dimension elements can be saved.</p> <p>The 3D dimensions that can be created are as follows.</p> <ul style="list-style-type: none"> Distance dimension Distance Axis dimension Pipe Length dimension Pipe Angle dimension Pipe Diameter dimension 	

Distance Distance Axis Measure Length Angle Diameter Piping Information Remove Edit

Modeling / Plane Added a function to create planes while automatically creating edges
 This function reduces a plane creation time.



Modeling / Plane / Edit Added a function to edit planes.

- Divide function
- Boolean function
- Auto Corner Edge function

Modeling / Box / Room Added a function to create a room shape in a single command.
 This function uses point clouds measured from inside the room.

Modeling / Join Added a function to create a face (loft face) that connects one side of the rectangular parallelepiped

and the cylinder end.



Piping Parts / Flange / Create Automatic
Added a function to automatically create a flange on the selected piping.

Import Polygon
Added a function to import STL.

Tree Operation
The following tree manipulation function has been released.

- Change a name of tree item
- Grouping
- Fit

The fitting function of an element can also be executed from [View] – [Feature] - [Fit].

View / View Setting / Point Cloud
Added a function to save multiple point cloud display settings and switch between them using one button.



View / View Setting
Added a function to set grid mode.

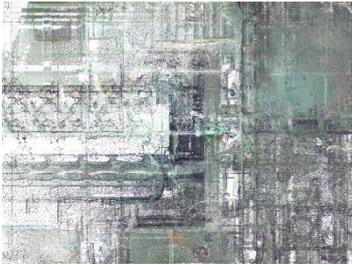
Clipping Box
Added a function to rotate the clipping box around the Z axis.



Preparation /
Remove Used Points
Added a function to delete the used point cloud.

1.3. Improvements

This software release contains the following improvements to the existing functionality.

Category	Description	Armo ID
Dynamic	Added option to output video during route playback.	
Collision Check / Simulate Route		
Collision Check	The function to save the interference check result with the point group was added. As a result, interference can be measured with measurement function after checking interference.	
Export / EYECAD	You can export shaped steel information.	
Manual Registration	Added option not to move feature along with point cloud.	
Pipe / Create Automatic	Added option not to create curved pipe.	
Pipe / Connect	Improved the processing method of bend recognition.	
View / Point Cloud	The point group display was improved. Versions 2017.2 and before: The total number of point groups to be displayed 2018.1: Number of point clouds displayed in the View • Display 10 million points  • 2017.2 (Zoom) Display a part of 10 million points  • 2018.1 (Zoom) Display 10 million points 	
View / 3D Annotation Property	Improvement to be able to change the display attribute of the 3D Annotation. You can only place 3D Annotation on features. 	
Measure / Parts List	Added function to tabulate parts list.	
Sketch function	Sketch function improved. <ul style="list-style-type: none"> You can specify the rotation center with the move / copy function. Trim function deletes if an element with no intersection point is specified. Add a DXF export function. Improved the ability to create sketch planes from point clouds. 	

Valve

Added new database for the following valves.

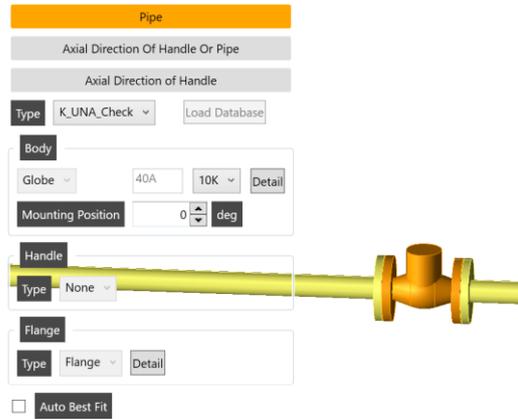
■ Ball Valve (Lever Flange)



■ Glove Valve (K_UOA_Check)



■ Glove Valve (UNA_Check)



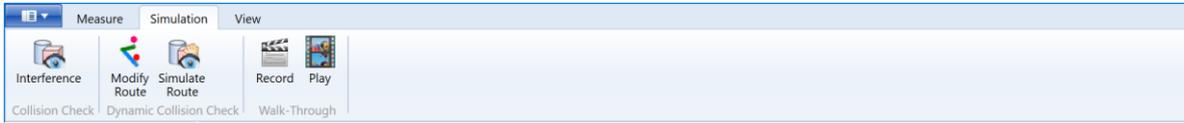
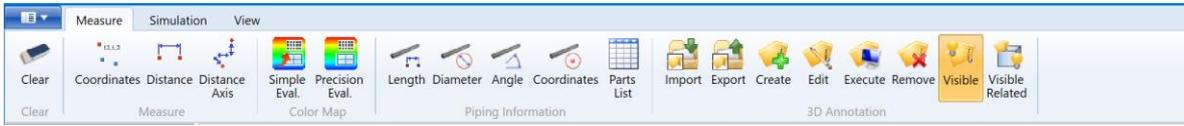
1.4. Bug Fixes

This software release contains the following bug fixes.

Category	Description	Armo ID
Mouse Wheel (Zoom)	The zoom center has been changed from the view center to the mouse position.	
Plane / Corner Edge	Addressed issue in which a plane defined by an Outer Loop containing a curve can not create a Corner Edge	
Plane / Unite	Addressed issue in which a plane with an inner loop is created with a rectangle.	
Export	Addressed issue in which square shaped steel can not be selected.	
Others	Resolved other minor bugs.	

2. ClassNK-PEERLESS Viewer

In addition, due to Modeler's enhancement, functions are increasing.



3. Installation Notes

3.1. Important Changes

N/A

3.2. Version Compatibility

Before installing this version, be sure to note the following warning regarding the compatibility.

- This version can open and work with PEERLESS project file data created in versions 2017.2 and before. However, there is no guarantee concerning PEERLESS project file data created in versions 2018.2 and later.

3.3. Upgrade Notes

- When the latest version is installed in the same environment where an older version is installed, the software will be upgraded.
- If you have modified the data base in a previous ClassNK-PEERLESS' version, then you have to update them manually in the latest version.

3.4. Using Viewer

- Viewer can be used among affiliated companies. Distribute the Viewer's installer as necessary.
- Review the license agreement before continuing with the installation of the Viewer.