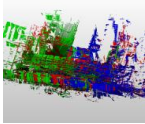
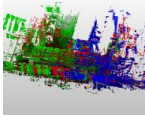



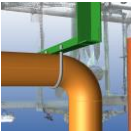
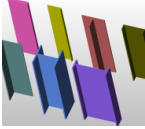
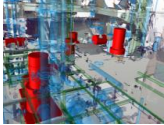
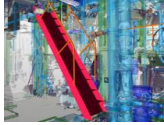

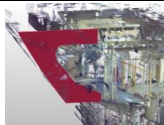
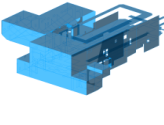
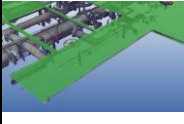


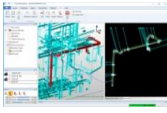
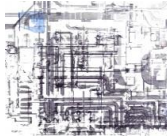
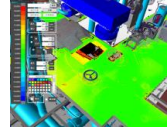
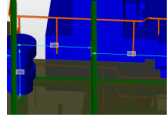



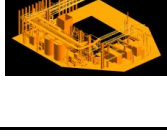
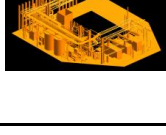


Functions		Image	Descriptions
Preparation	Registration	Marker	 Register scanned data at different positions by using a reference ball.
		Markerless	 Register scanned data at different positions by using point clouds.
		Manual	 Register scanned data at different positions through user indications.
	Noise Reduction	 Noise is unwanted or inaccurate data. ClassNK-PEERLESS removes most of it automatically during the registration process and there are also manual functions for noise reduction and removal. Moreover, the system's modeling functions were built so as not to be affected by noise, which means that your model will be clearer and more accurate.	
	Definition of Coordinate System	Axis	 ClassNK-PEERLESS comes with methods for setting coordinate axes, which is useful for aligning things together perfectly.
		Origin	 Configure the 3D model's origin.
Piping Parts Modeling	Manually	 Standard pipes can be created by selecting point cloud data.	
	Semi-automatically	 The system automatically searches for connecting pipes.	
	Automatically	 Create straight pipes, bent pipes, curved pipes, reducers and elbows.	
	Manually (Create New Pipes)	 Manually create a new pipe system, continuously alternating between straight pipes and elbows.	
	Flange	 Create a flange that matches the pipe diameter.	
	Valves	 Valves are easy to create.	

Functions		Image	Descriptions	
Modeling	Support		Create a pipe support. Currently on I y a U-bolt type can be created.	
	Shaped Steel Modeling			To create steel, simply select a few points; ClassNK-PEERLESS does the rest automatically.
	Geometry & Equipment Modeling	Geometry		Create geometric shapes, such as a prisms and cylinders.
		Equipment		When modeling a ship or a factory, many different types of equipment must be modeled. ClassNK-PEERLESS helps you model them quickly and easily. For example, a flight of stairs can be created in less than a minute with as few as 3 clicks. Basic geometric shapes, such as prisms, cubes and cylinders, can also be used to model equipment. It is also possible to import a part's 3D CAD data.
		Sketch (Geometry)		ClassNK-PEERLESS has a very wide variety of sketch functions, enabling the creation of virtually any shape. In addition, that shape can be used to create objects such as planes, extruded geometry, rotation geometry.
		Sketch (Frame)		ClassNK-PEERLESS has a very wide variety of sketch functions, enabling the creation of virtually any shape. In addition, that shape can be used to create objects such as steel frames for a ship's hull.
	Planes & Surfaces Modeling	Plane		Create planes to represent floors and walls. There are plenty of specialized commands to enable easy modification.
		Plane (Sketch)		Use the sketch command to create/edit a plane. The sketch command is useful to freely define an outer shape.
		Surface		Create a surface. Create a smooth surface, loft surface, or sweep surface from point clouds.
	Polygon Mesh Modeling			Create a Polygon mesh from Point Clouds. By using on the various works such as the initial design, interference, space confirmation , etc., it is possible to quickly conduct examination of mounting and repair.

Functions		Image	Descriptions
Viewing	3D Rotation		3D rotate point clouds or models displayed in the view. Several methods for 3D rotation are available.
	Ortho / Pers.		Switch to the orthogonal view or perspective view. In the perspective view, you can also switch to the walk-through mode.
	Clipping Box		The clipping box feature displays only a specified area.
	Capture		Store to memory the view direction or a clipping box status.
	Setting		Configure the settings related to the view operation. You can configure detailed settings such as mouse sensitivity, number of points displayed for the point cloud etc.

Functions		Image	Descriptions
2D	2D Piping Plans		It is possible to create 2D isometric drawings of piping systems. Drawings will be output to a DXF file, which can be read and edited by most commercial 2D CAD systems
	Rough Sketch		Read-in 2D CAD data, and output an image for use as a rough sketch when you create a drawing.
Measurement	Accuracy Verification		Color mapping can be used to check accuracy. (Show results:Temporary)
	Dimension Markings		Get dimension information such as the distance between 2 points. (Show results:Temporary/3D Dimension)
	Pipe Measurements		You can see pipe dimension information such as length and angle on top of the 3D model. (Show results:Temporary/3D Dimension)
	Collision Check		Check for collisions along a route. This is useful when planning the installation of new equipment. (Show results:Temporary/Register results)
	3D Annotations		Notes can be added to point cloud and objects. In addition, it is possible to attach an external file to the note.
Export	(Standard)		Export the created 3D model to various CAD formats. IGES and STEP file export are available as a part of a standard license.
	(Option)		Export the created 3D model to various CAD formats. Optional licenses are available for exporting to various CAD formats. Note: Data translation via spGate developed by Armonicos.

Others