

spScan 2025.1

Upgrade News

Enhanced Features & Specification Changes

[File]-[Import]-[CAD]-[IGES]

- Now you can import CAD alone.
- Added an option to automatically group at import.

[File]-[Import]-[CAD]- [STEP]

- Now you can import CAD alone.
- Added an option to automatically group at import.

[Edit]-[System Settings]-[Display]

- Now you can configure the initial display position of the dialog.
- Enabled animated display of view transitions.

[View]-[Viewpoint]-[Nearest Isometric View]

Added the ability to switch to the nearest isometric view direction.

[Polygon Mesh]-[Fill Hole]

Improved multiple hole-filling functionality to allow successful filling of applicable areas, even if some areas fail.

[Polygon Mesh]-[Thicken]

Added the ability to create polygons with a specified thickness from single-sided sheet shapes, such as press panels.

[Curve]-[Project Curve (Specified Plane)]

The initial value of "Curve type" was changed to "Reference curves".

[Curve]-[Create Reference Section Curves]

The initial value of "Curve type" was changed to "Reference curves".

[Curve]-[Create 2D Curves]

- Enabled setting the origin of the local coordinate system based on projected 3D coordinates.
- Smart Dimension now allows selecting the UV axis first.
- Smart Dimension can now apply distance constraints between the UV axis and a vertex or an arc center.
- Smart Dimension now supports setting a zero-distance dimension.
- Changed the arrow display for Smart Dimension to inward-facing triangle markers.

[Curve]-[Edit Curve]

The initial value of "Distance (Polygon-Curve)" in "Analysis Display" was changed to ON.

[Surface]-[Patch]-[Quadrangulate Polygon Mesh]

Changed the operation procedure to select a single polygon island as the processing target.

[Surface]-[Patch]-[Check Patch Surface]

Added an option to modify valid patch surfaces.

[Surface]-[Create Multiple Base Surfaces]

Set the default value for post-processing to 'Skip corner sharpening.'

[Analyze]-[Distance]-[Distance between Two Points]

Enabled annotation display of the distance between two selected points.

[Help]-[About spScan]

Added the ability to copy version information to the clipboard.

[Demo]-[Cut Mesh With Surface]

Enabled cutting polygons with surfaces.

[Demo]-[G2]-[Create G2 Surface]

Added a 'G2' button to the 'Continuity of all curves setting' item.

Select By Color

Added an 'Exclude parts that have surface' option.

Resolved Issues

[File]-[Open]

Addressed an issue where the 'The file has been modified. Do you want to save it?' dialog was incorrectly displayed when closing spScan immediately after opening a file, even without any changes.

[File]-[Save]

Addressed an issue where the 'The file has been modified. Do you want to save it?' dialog was incorrectly displayed when closing spScan immediately after overwriting a file, even without any changes.

[Polygon Mesh]-[Reshape Outer Edge]

Addressed an issue where polygons could not be deleted from the front side when selecting an area including the polygon boundary with the front-side filter enabled.

[Polygon Mesh]-[Repair Overlap]

Addressed an issue where Undo could not revert to the original state when repairing of overlapping polygon mesh fails.

[Curve]-[Create 2D Curves]

- Addressed an issue where spScan would crash when setting a 0° angle constraint in Smart Dimension.
- Addressed an issue where curve highlights remained after executing another menu from the 'Tangent Line (2 Arcs)' selection menu.

[Surface]-[Patch]-[Quadrangulate Polygon Mesh]

Addressed a bug that occurred during patch split line projection.

[Surface]-[Patch]-[Create Patch]

Addressed an issue where the original curve shape would change after patch splitting, even with the 'Preserve shape' setting enabled.

[Surface]-[Patch]-[Create Patch Surface]

Addressed an issue that caused exceptions when using the 'Create G0 curves' setting.

[Surface]-[Patch]-[Edit Patch]

Addressed an issue where a surface was deleted when editing patch split lines adjacent to the surface.

[Surface]-[Patch]-[Check Patch Surface]

Addressed an issue where a surface was deleted when editing a patch surface adjacent to the surface.

[Surface]-[Create Multiple Base Surfaces]

- Addressed an issue where corners were mistakenly sharpened.
- Addressed an issue that caused slow corner sharpening processing when existing surfaces were present.

[Surface]-[Create Surface]

Addressed an issue where the surface direction would reverse when selecting cylindrical polygon shapes.

[Surface]-[Create Fillet Surface with Radius]

Addressed an issue that occurred when inputting a radius value and executing the 'Apply to All' button.

[Demo]-[Tool]-[Switch CAD Data]

Addressed an issue that occurred when selecting a CAD without surface elements.

[Demo]-[Cross Section]

Addressed an issue where spScan would crash when 'To Free Curve' is executed on a cross-section line with tiny curves.

Appearance

- Addressed an issue where sorting the appearance in the object tree was not saved in the scans file.
- Addressed an issue where the appearance loaded in [Analyze]-[Multiple Curvature (Polygon Mesh)] was not updated during polygon editing.

Developer

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