All-in-One 3D CAD Data Translator

spGate 2025.1

Upgrade News

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Import/Export

Supported 3D CAD Format Version Enhancements

Only the expanded part is shown in red text.

System/Format	Import	Export
CATIA	**V5-6R2024(R34)**	**V5-6R2024(R34)**
NX	**2312**	-
Creo	**10.0**	-
SOLIDWORKS #	**2024**	-
Alias	13.0 ～ 2016	13.0 ～ 2016
Rhinoceros	2.0 ～ 7.0	3.0 ～ 7.0
Parasolid	**36.0**	13.0
ACIS	**2024 1.0**	**2024 1.0**
IGES	～ V5.3	V5.3
STEP	AP203, AP214	AP203, AP214
STL	○	○
OBJ	○	○
JT #	8.1, 9.0, 9.1, 9.5	8.1
CAM-TOOL	-	V13.1
Maya	-	V8.0
CFIO	○	○
spGauge	-	2017.1
spScan	**2022.1 ～ 2024.1**	2013.1

- # require optional licenses.
- For the latest import/export specifications, please visit the spGate WEB site.
  https://www.armonicos.co.jp/en/spgate_blog/io/

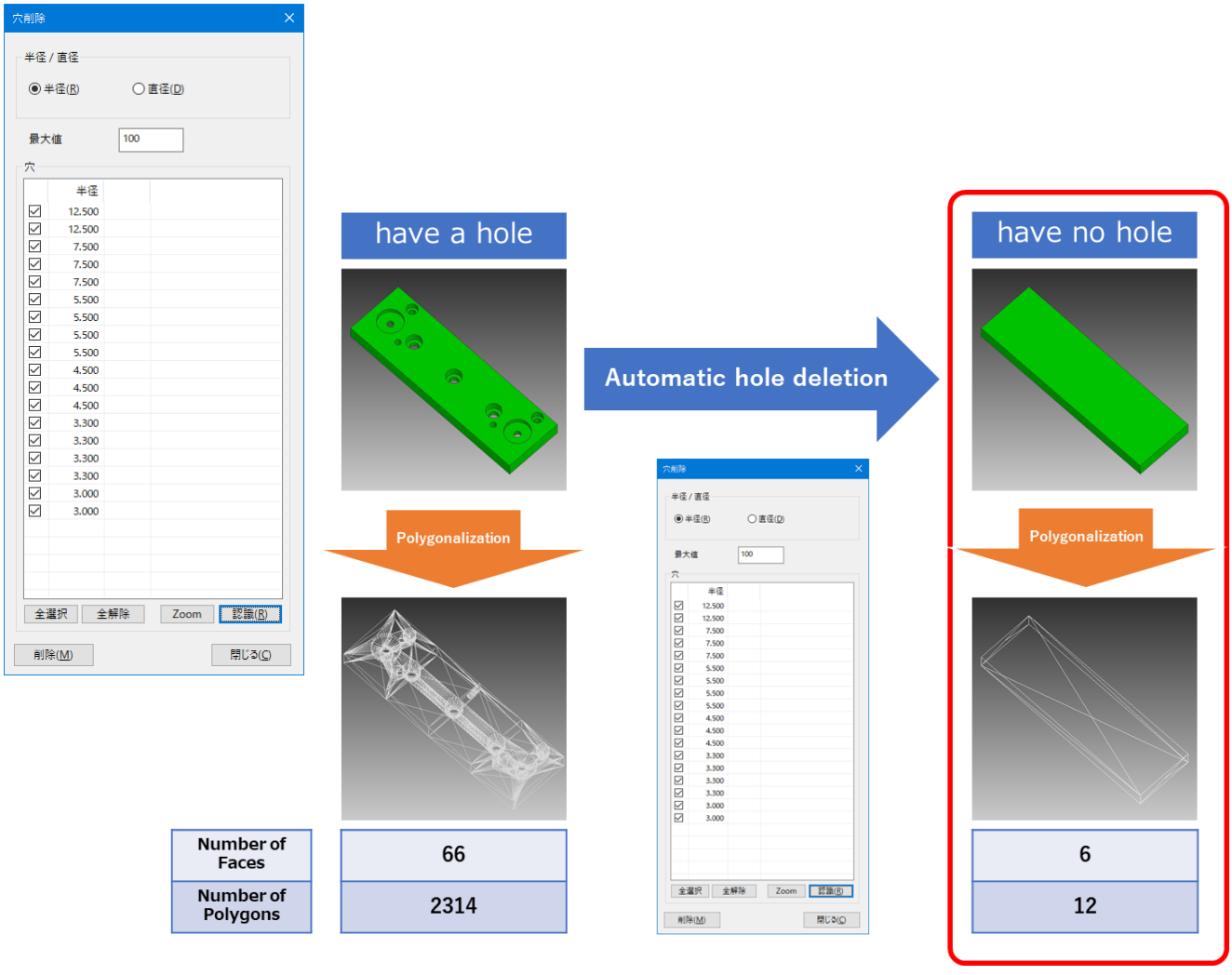
Enhancements

Batch Remove Holes

Mode :Heal/Translate Mode, Assembly Mode, Component Mode

Menu : [Advanced Tools]-[Remove Holes]

A new batch Remove holes function has been added.Unnecessary holes can be deleted by specifying radius and diameter values.When creating polygon data from geometry data for analysis, etc., the number of polygons can be greatly reduced by deleting holes in advance.



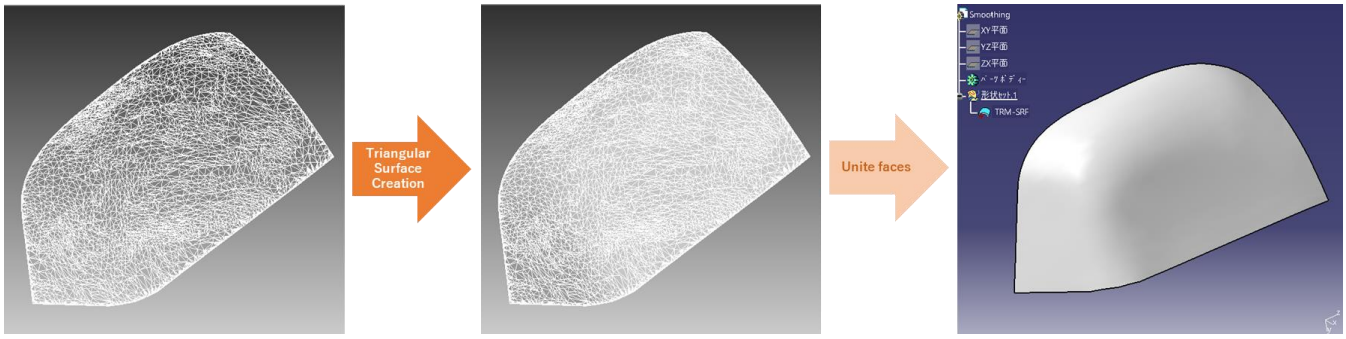
Enhancements

Polygon to Triangulated Surface(Plane)

Mode :Polygon Mesh Mode

Menu : [Tools]-[Create Surface]

A new function that can convert polygons to triangulated surfaces has been added.
This function can be utilized when you want to check polygon data as shape data in CAD.
*Notes
Creating a surface with a large number of polygons may affect performance.
Please use [Tools]-[Thin-out] to reduce the number of polygons before use.



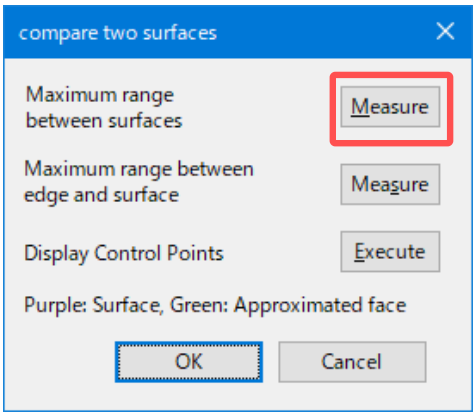
Specification change, etc

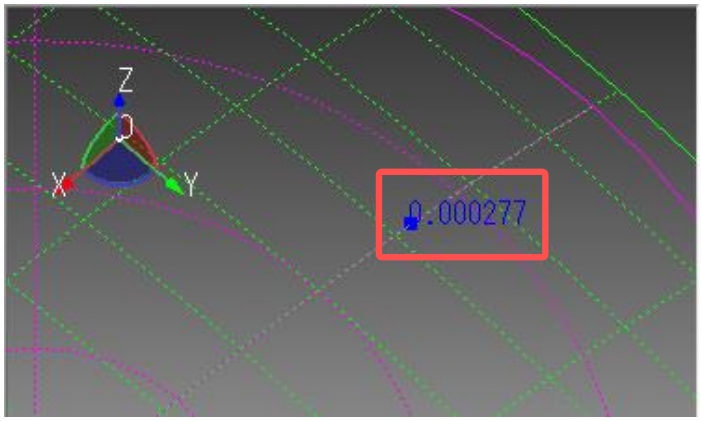
Maximum deformation display

Mode : Heal/Translate Mode, Remove Fillet Mode

Menu : [Approximate] The following commands
* Excluding [Approximation UV-Curve][UV-Curve (Face)]

The maximum deformation between the original and approximate surfaces is now displayed on the model.





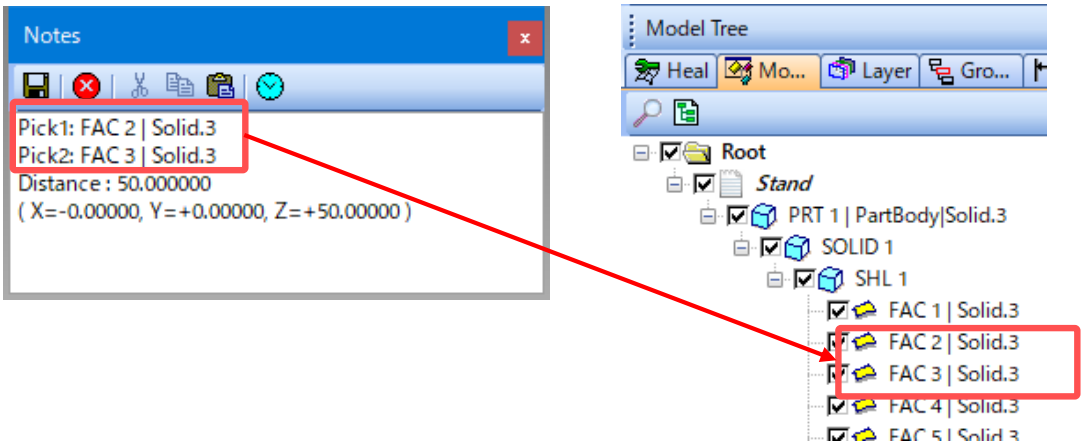
Specification change, etc

Element name display of distance measurement

Mode :Heal/Translate Mode, Remove Fillet Mode

Menu : [Analyze]-[Minimum Distance] [Maximum Distance]
The following commands

The name of the selected element is now displayed in the message pane.



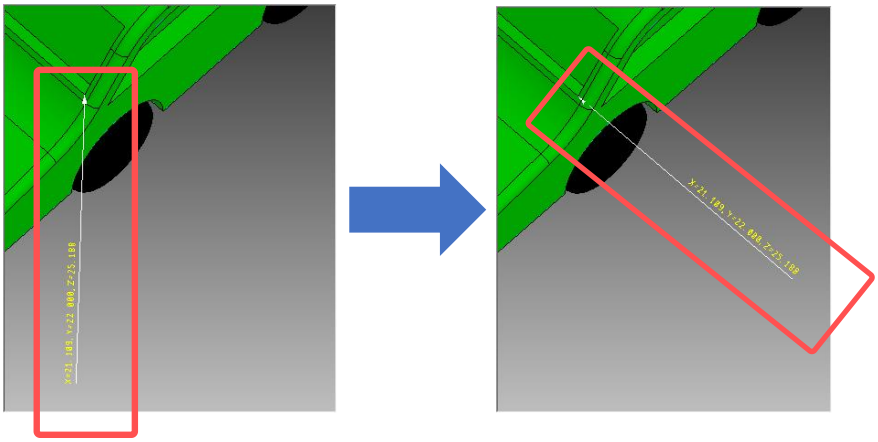
Specification change, etc

Movement of measurement dimensions

Mode : Heal/Translate Mode, Compare Models Mode

Menu : [Measurement]-[Dimension Attributes]-[Move Dimension Attributes]

The dimensions created by the " Measurement" commands can now be moved.



Specification change, etc

Light weighting of STEP

Mode : Heal/Translate Mode

Menu : [Files]-[Export]

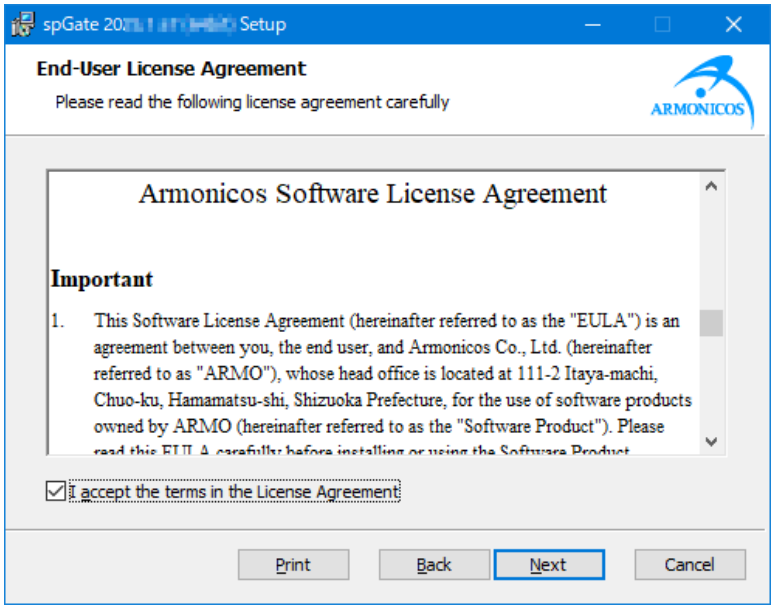
STEP export files have been lightened.

Version	File Size（kb）
2024.2	99,072
2025.1	54,367

Specification change, etc

Software License Agreement

“License Agreement” consent confirmation has been added during installation.



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