

All-in-One 3D CAD Data Translator

spGate 2021.1

Upgrade News



2021.1 Upgrade Details

[Import/Export]

1. Supported 3D CAD Format Version Enhancements	P3
2. CFIO export	P4
3. CFIO group import/export	P4
4. CAM-TOOL group export	P4
5. Group pane	P5
6. CATIA property import	P5
7. IGES confidential information control	P6
8. Parasolid export option	P6

[Enhancements]

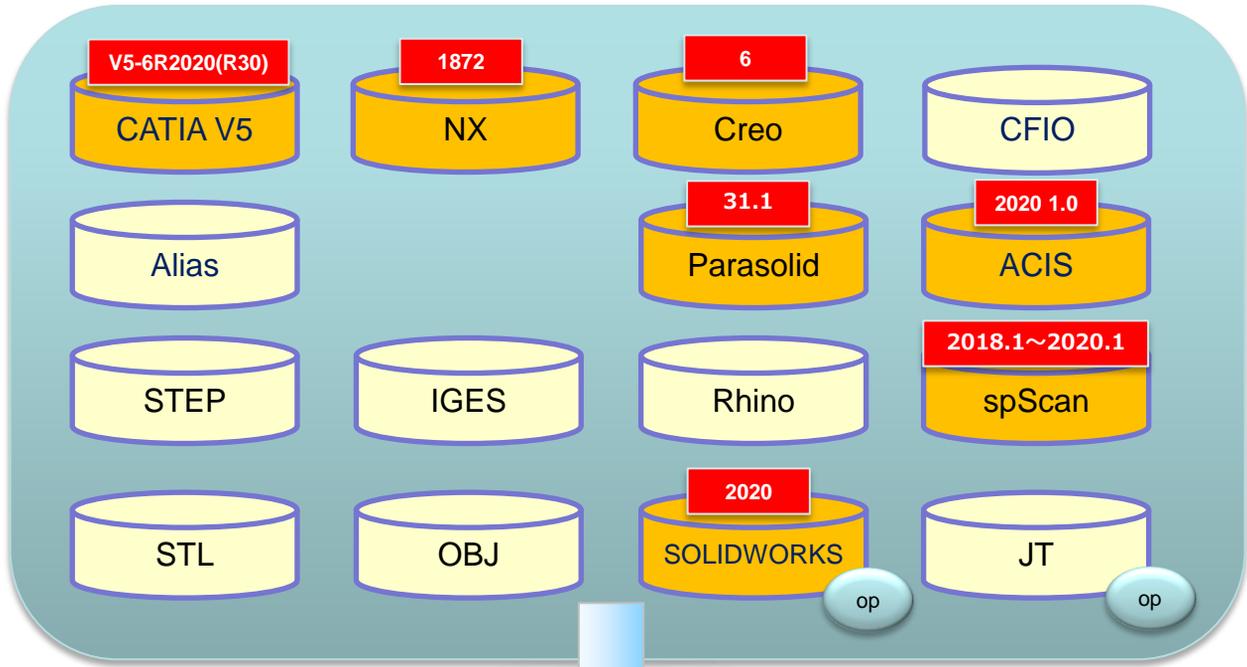
9. Auto identify features	P7
10. Thicken polygons	P8
11. Grid lines	P8
12. Projection area	P8
13. Convex hull	P9
14. Feature recognition: Analytics curve	P9

[Specification change, etc]

15. Guide dialog	P10
16. Mirror copy	P10
17. Mass calculation	P10
18. Measurement	P10
19. Face color pane	P11
20. Check undercut	P11
21. Maintenance information	P11

[Import/Export] 1. Supported 3D CAD Format Version Enhancements

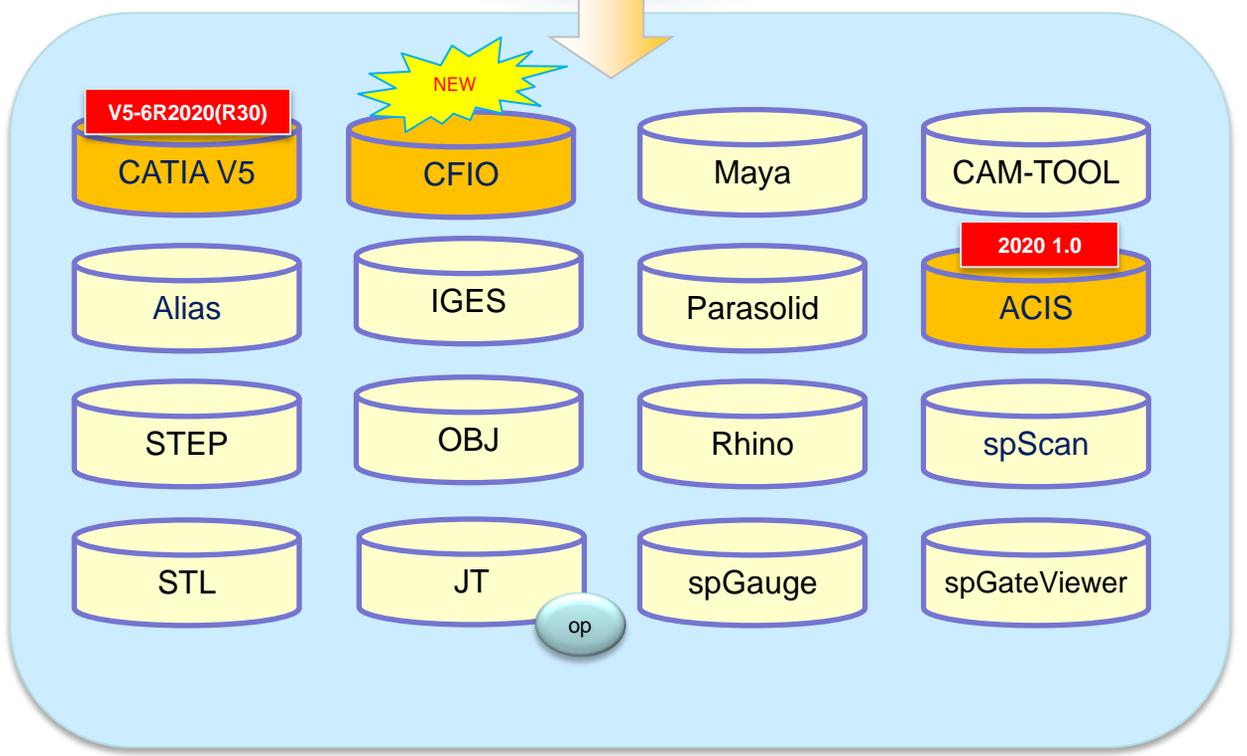
Import



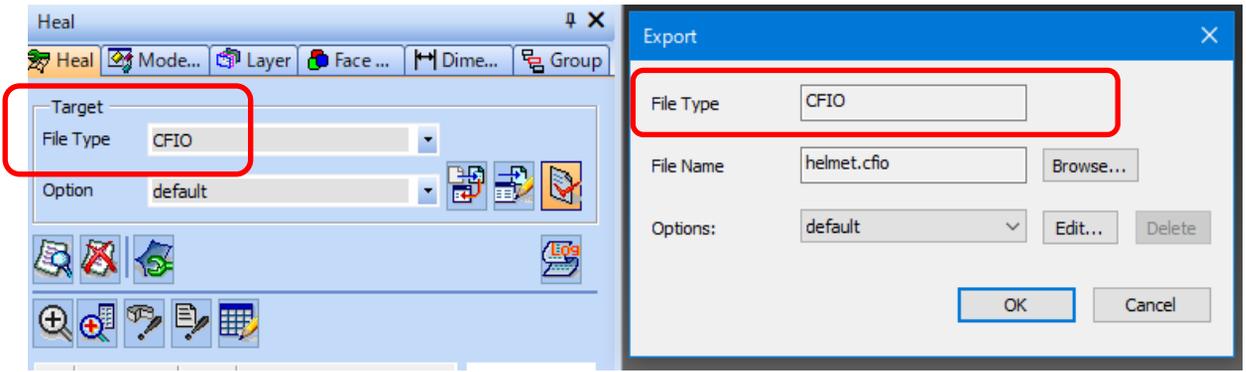
3D CAD op
SolidWorks Reader and JT Reader/Writer require optional licenses.

Ver. No.
Enhanced
Latest version supported in this upgrade.

Export

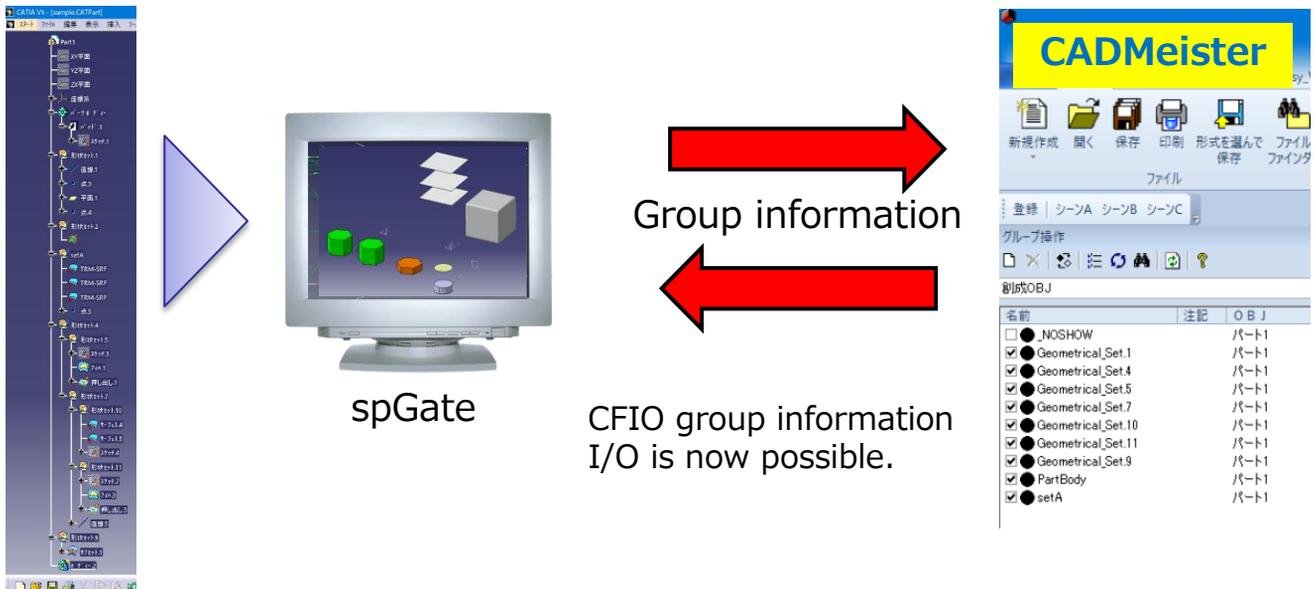


[Import/Export] 2. CFIO export

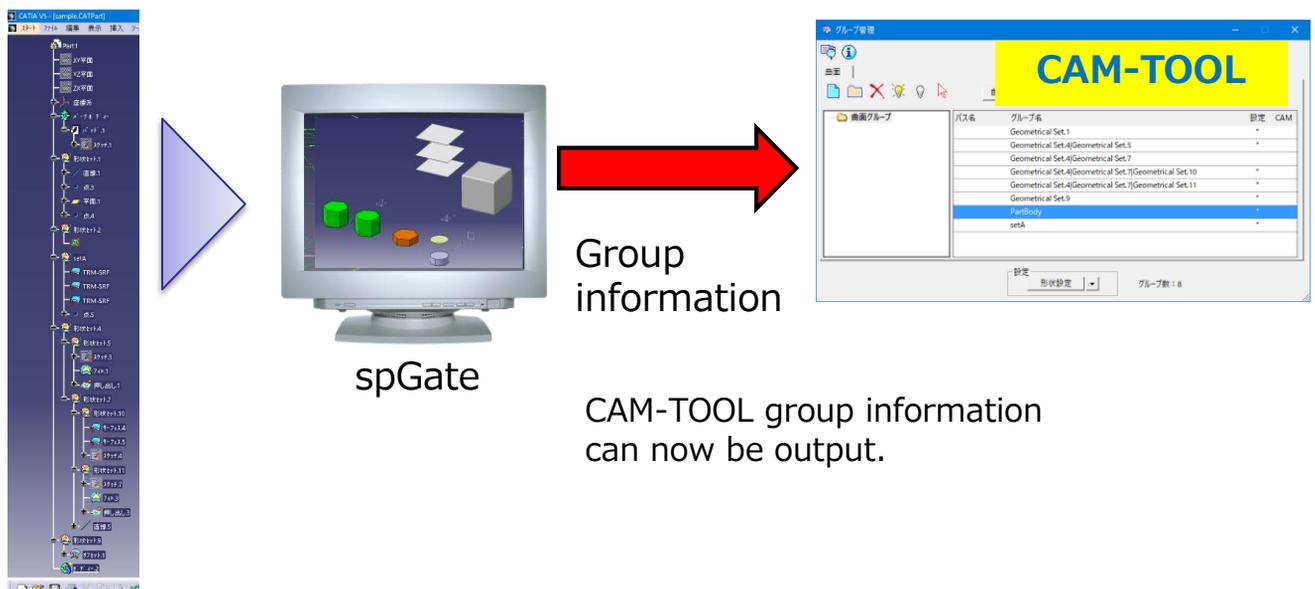


CFIO output is available from spGate2021.1.

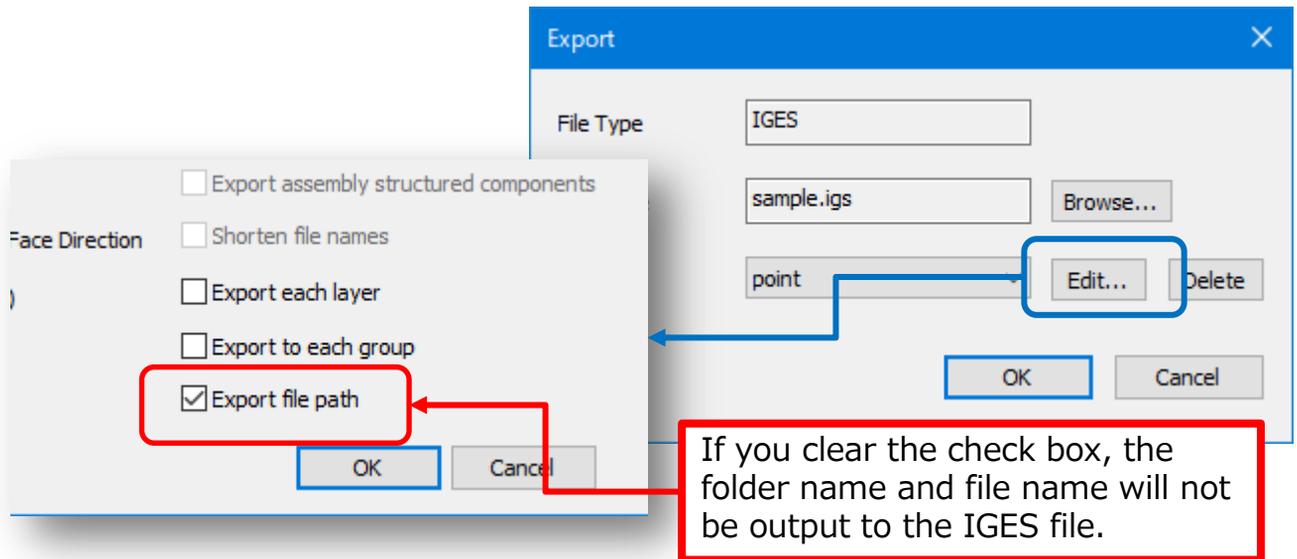
[Import/Export] 3. CFIO group import/export



[Import/Export] 4. CAM-TOOL group export



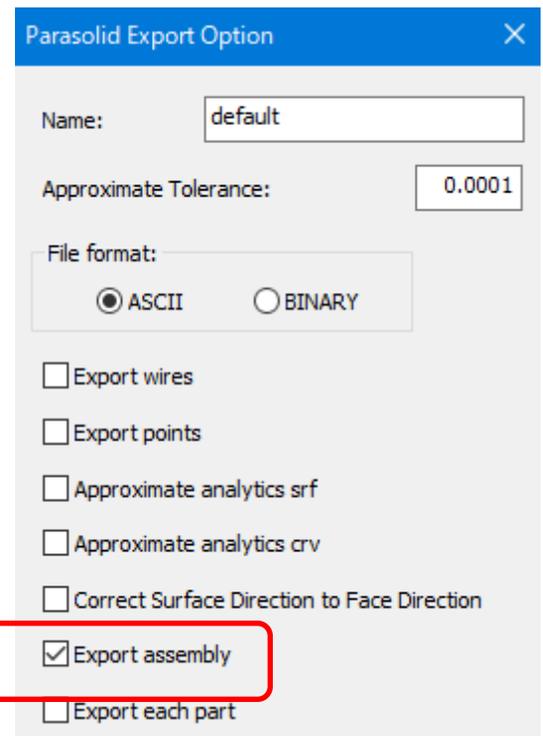
[Import/Export] 7. IGES confidential information control



[Import/Export] 8. Parasolid export option

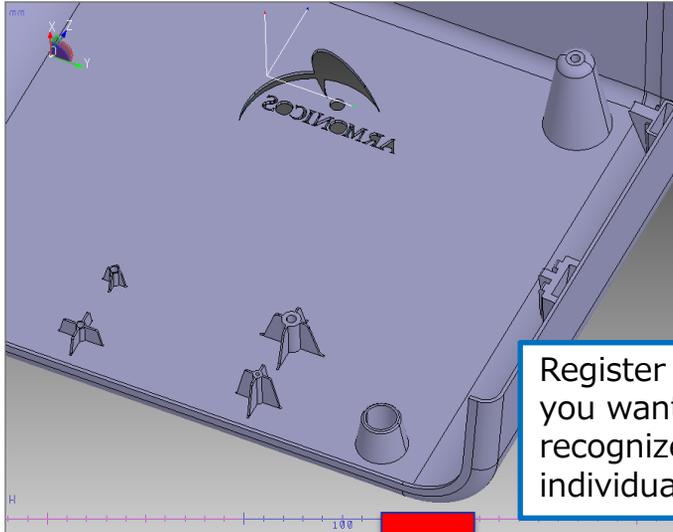
Previously, it was output as an Assembly file by default. From spGate2021.1, it is also possible to output a part file.

If you uncheck the check box, it will be output as part.

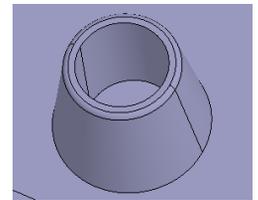
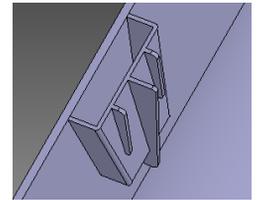
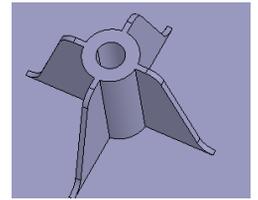


[Enhancement] 9. Auto identify features

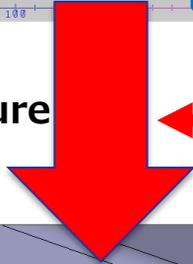
The features in the CAD model are automatically detected by referring to the registered features.



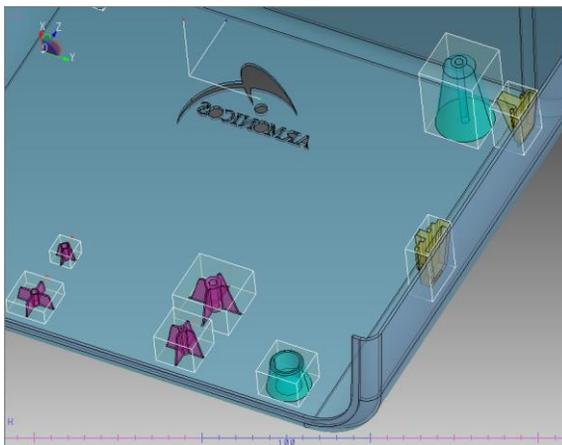
Register the parts (features) you want to automatically recognize in advance as individual STEP files.



Automatic feature recognition

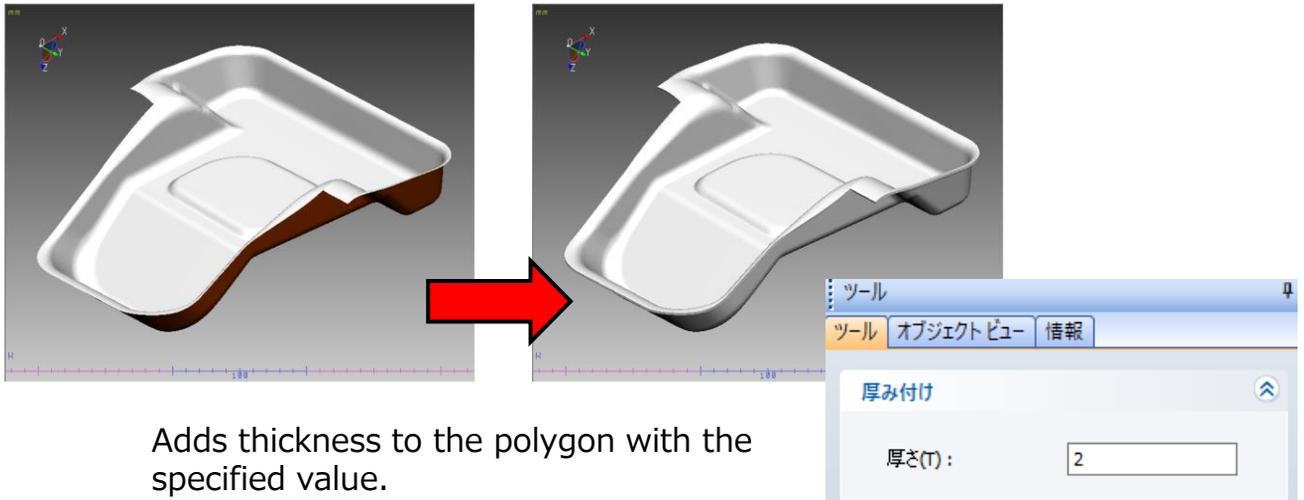


The same features as the registered features are automatically recognized and colored.

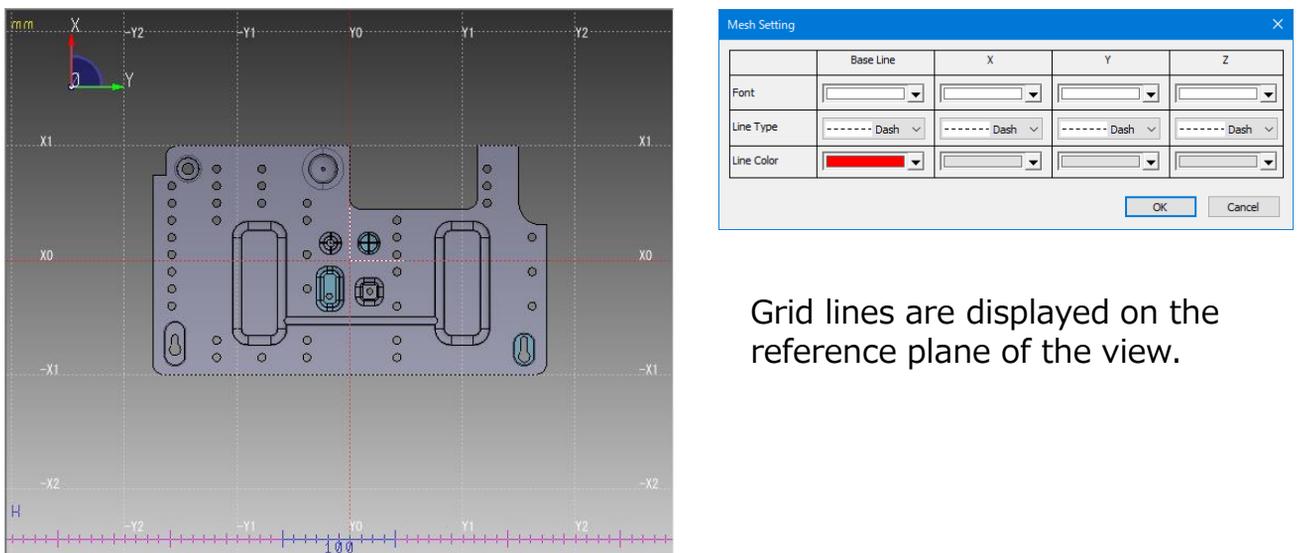


In addition to changing the surface color, various feature position information can be automatically output in CSV. Since it can be used for a variety of situations, we are happy to discuss customization.

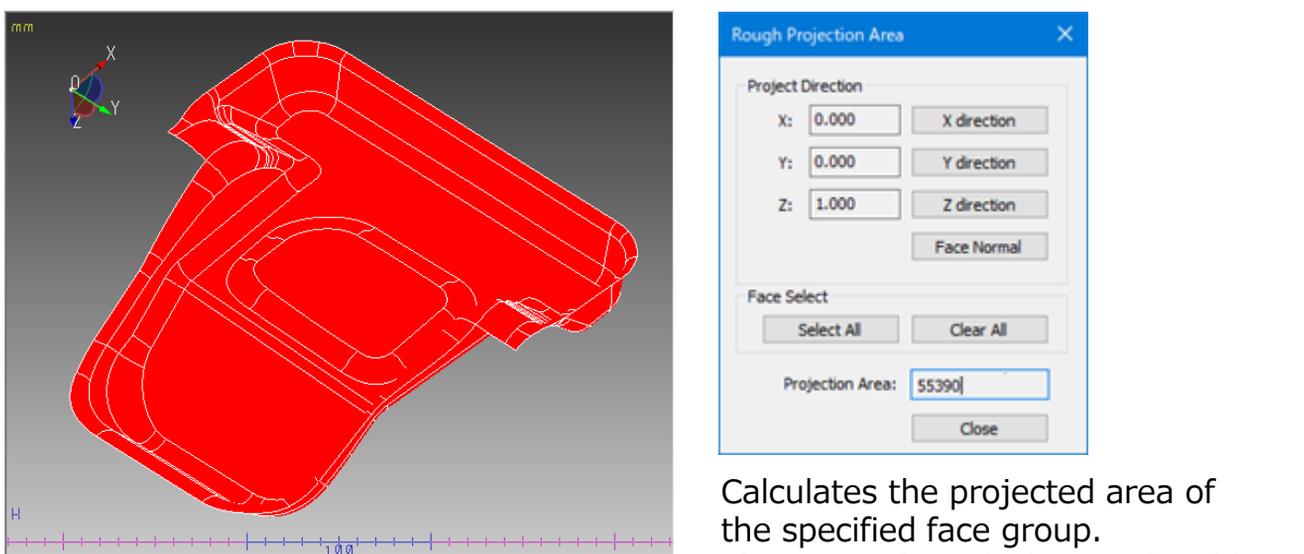
[Enhancement] 10. Thicken polygons



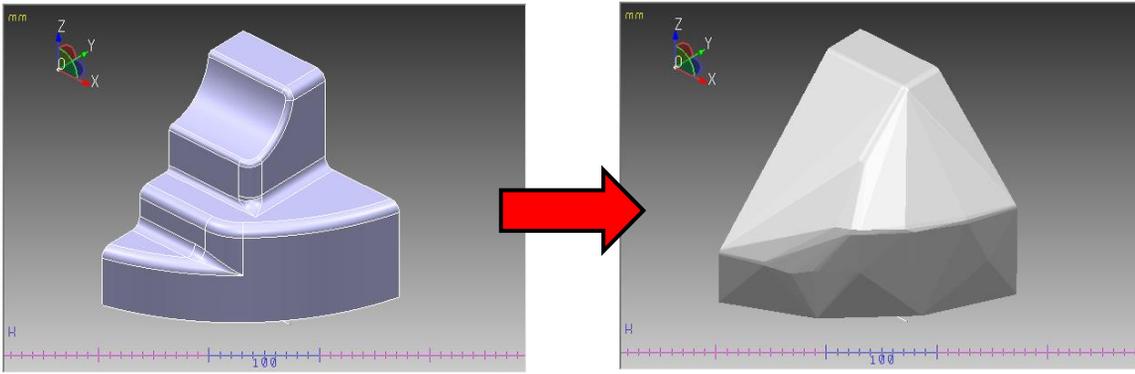
[Enhancement] 11. Grid lines



[Enhancement] 12. Projection area

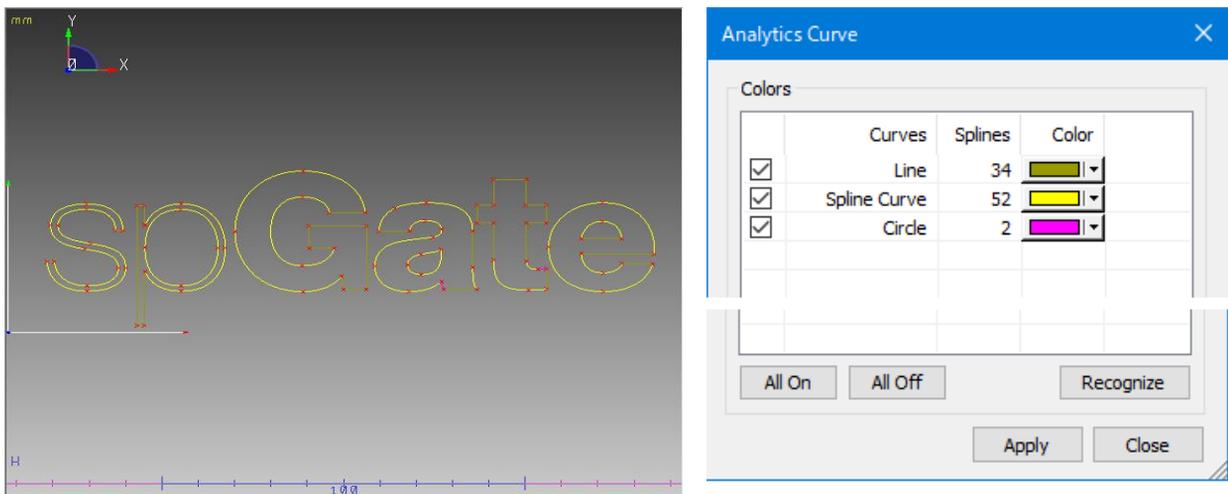


[Enhancement] 13. Convex hull



In the state where the entire CAD model is wrapped
The polygon is automatically created.

[Enhancement] 14. Feature recognition: Analytics curve



"Analytics curve" was added to the feature recognition series.
You can visually check straight lines, arcs, and free curves at once.



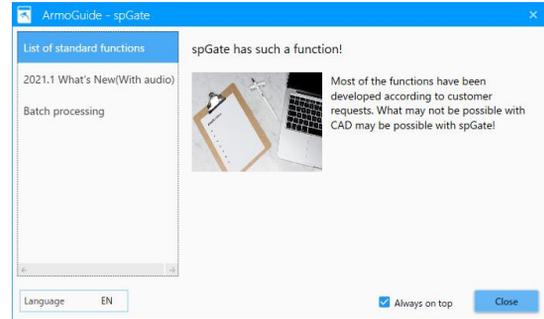
Isolated Curve Terms

Menu: Analysis/Display/isolated curve terms

You can display temporary points at the end points of the geometric curve.

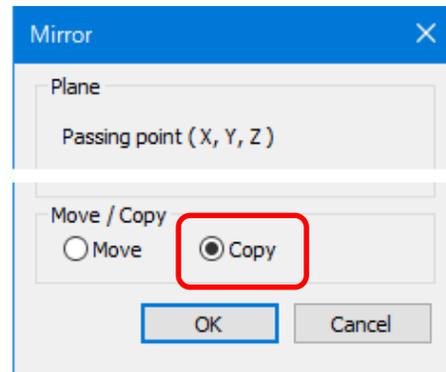
15. Guide dialog

A guide dialog is displayed when spGate starts. Introducing useful tips.



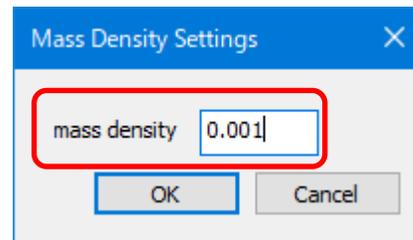
16. Mirror copy

A copy function has been added to the conventional mirror.



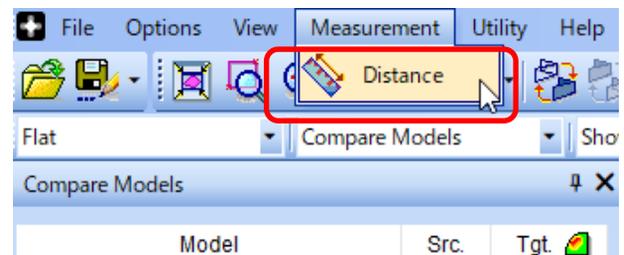
17. Mass calculation

Since mass density is added to the volume command, mass can be calculated.



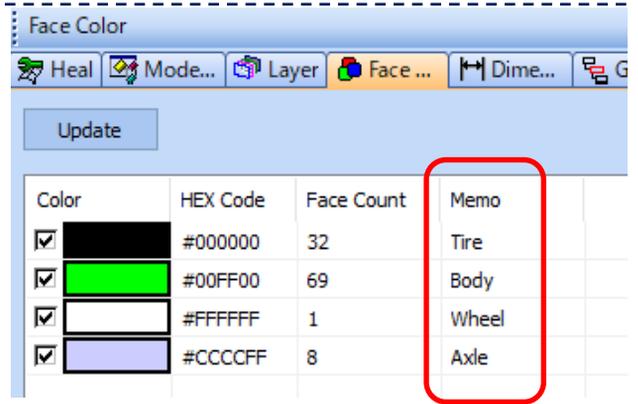
18. Measurement function

The measurement function has been implemented in the compare models mode.



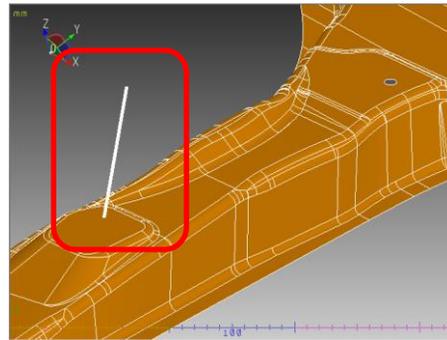
19. Face color pane

Memo is added in the face color pane.



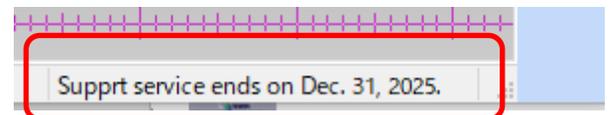
20. Undercut check

A straight line is automatically created in the calculated pulling direction.



21. Maintenance information

Maintenance support service period is displayed at the bottom right of the screen.



Developer

Armonicos Co., Ltd.
Hamamatsu ACT Tower 21st floor, 111-2 Itaya-machi, Naka-ku,

Hamamatsu City, Shizuoka Prefecture 430-7721 Japan
TEL: (+81)53-459-1000 FAX: (+81)53-459-1155
<https://www.armonicos.co.jp/en/>

