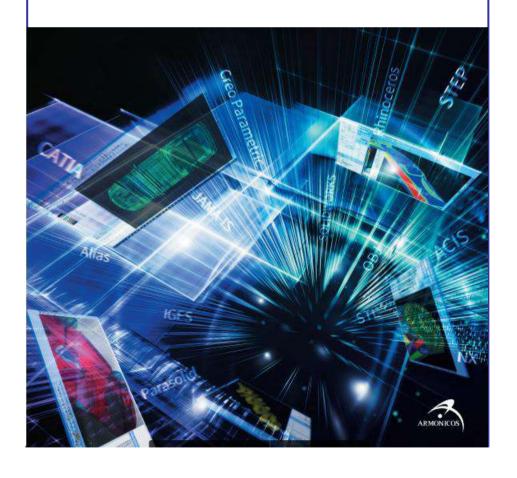
# Process Connector

# spGate 2020.1

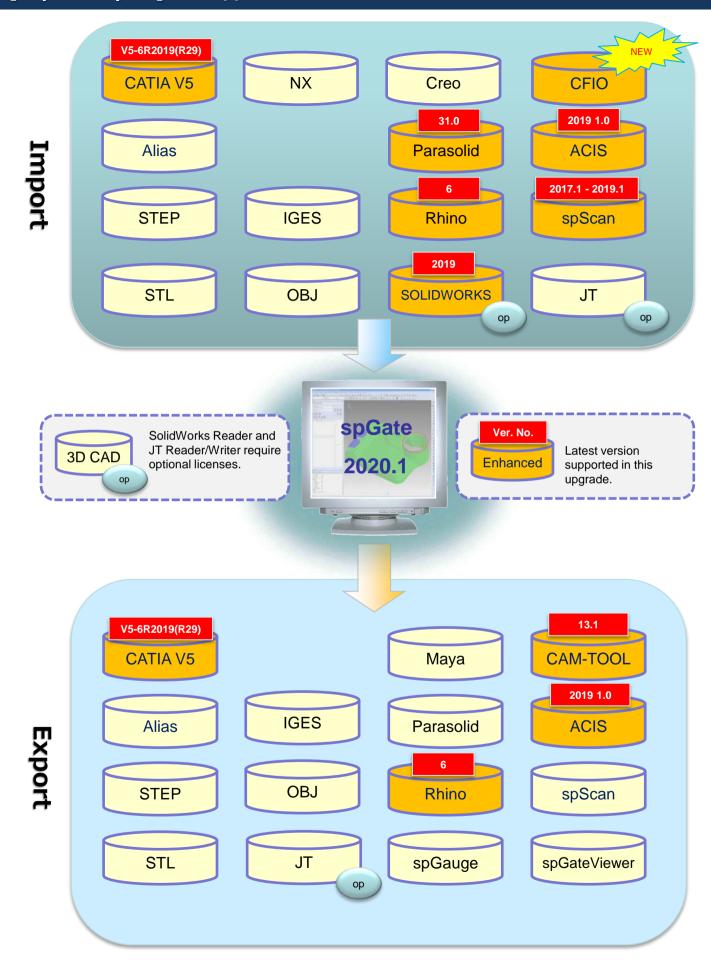
**Upgrade News** 



# 2020.1 Upgrade Details

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



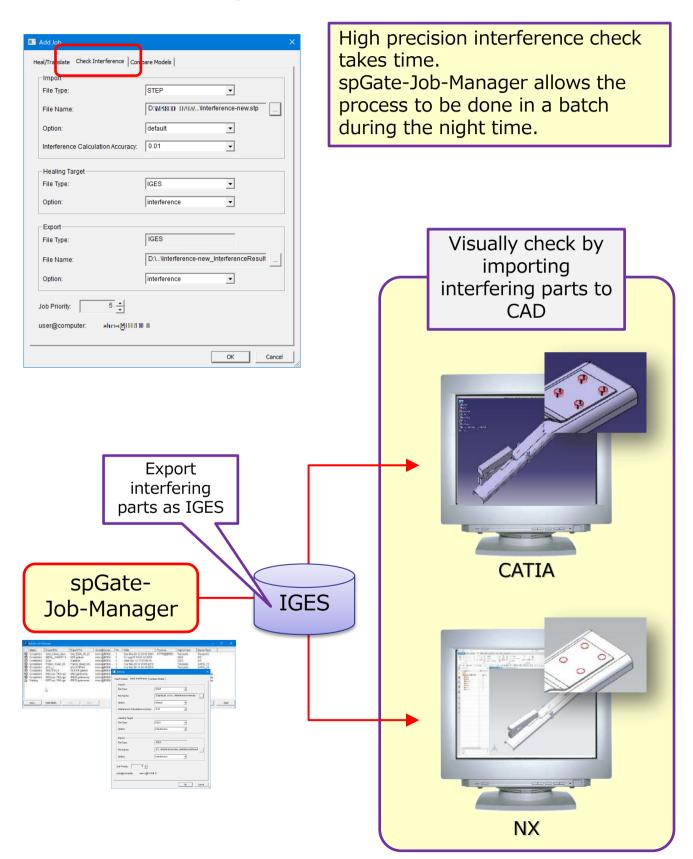
# [Enhancement] 2. Check Interference [Batch Process]

#### [spGate-Job-Manager]



The [Check Interference] tab has been added to Add Job dialog of spGate-Job-Manager.

The interfering locations can be exported as IGES and you can import it to your CAD to review the interfering locations.

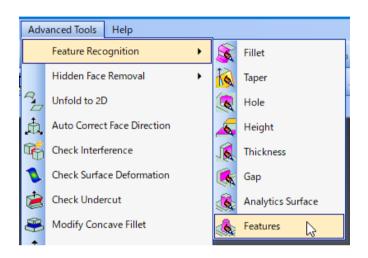


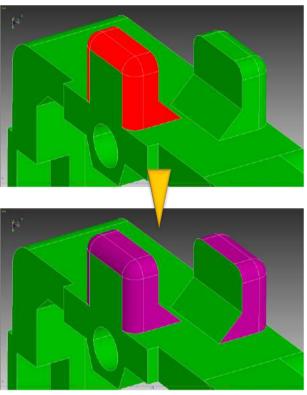
# [Enhancement] 3. Feature Recognition

### [Menu: Advanced Tools/Feature Recognition/Features]

Change the color of faces that are of similar shapes for the entire CAD model, automatically.

Detects the parts that are of the same topology, irrespective of the size of faces, automatically.



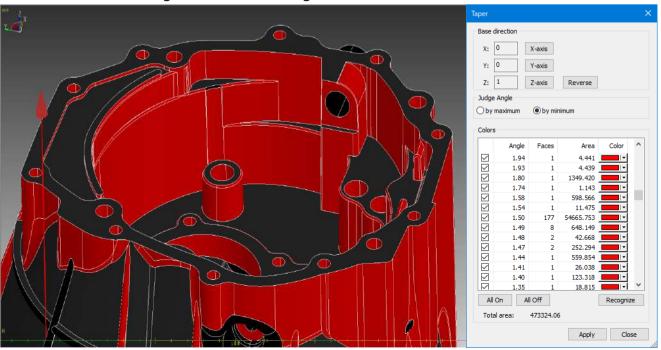


# [Enhancement] 4. Area of Vertical Faces Sticking to the Die

### [Menu: Advanced Tools/Feature Recognition/Taper]

You can compute the total area of the surfaces that are near vertical, by using the feature recognition for tapers.

Use this for checking the faces sticking to the die cast.

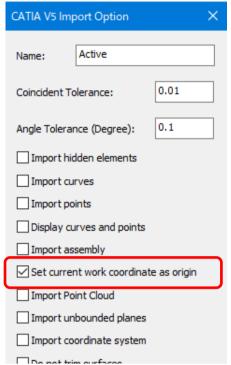


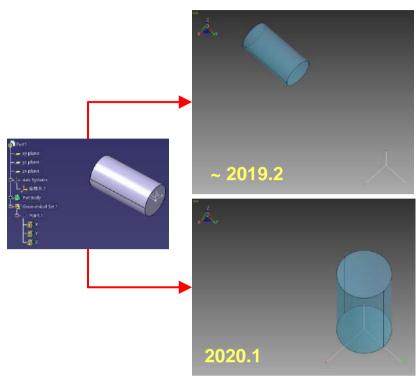
# [Enhancement] 5. Current work coordinate as origin

### [Menu: File/Import]

Now you can import CATPart's active coordinate origin as the origin of the

model in spGate.

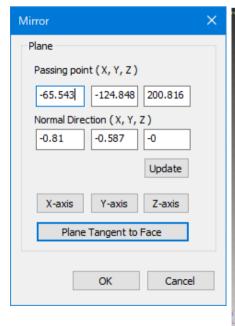


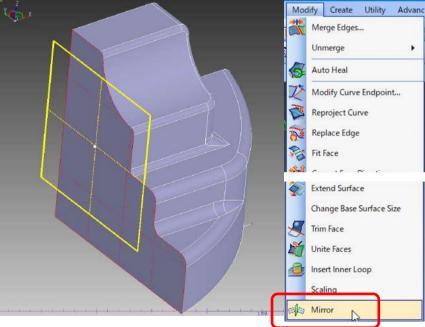


# [Enhancement] 6. Mirror

## [Menu: Modify/Mirror]

[Mirror] feature has been added to [Modify] menu. This is useful when comparing bilateral symmetry.



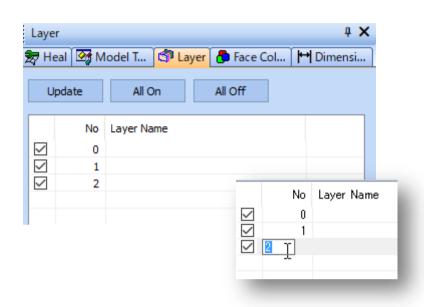


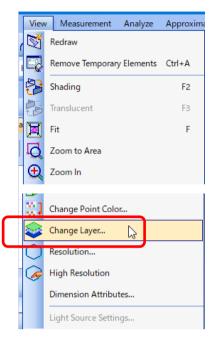
# [Enhancement] 7. Change Layer

### [Menu: View/Change Layer]

Now you can change the layer of a specific face.

By changing the layer number in the Layer pane, multiple layers can even be integrated.



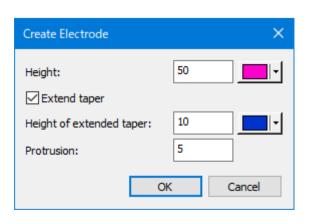


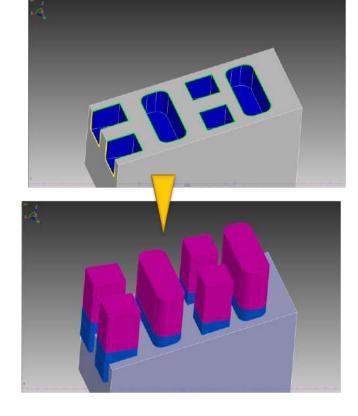
# [Enhancement] 8. Electrode taper extension / color change

### [Menu: Advanced Tools/Feature Recognition/Features]

The taper of electrode parts can now be extended and the color can be modified as well.

The amount of protrusion from open pockets can also be specified.

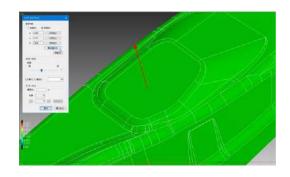




# [Specification Change]

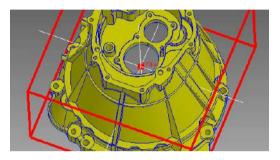
#### **■**Check Undercut

Enhanced the menu, so that the base axis direction can be indicated by either "a straight line" or "the normal direction of a face."



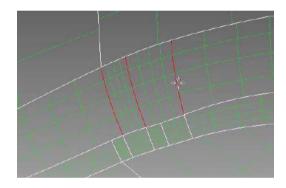
#### ■ Volume | Surface Area | Center of Gravity

Now the base axis (X, Y, and Z axes) is created at the location of the center of gravity.



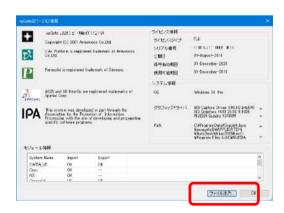
### **■** Repair Non-Tangent Faces

Now you can pick multiple edges in:[Modify]-[Repair]-[Non-Tangent Faces].



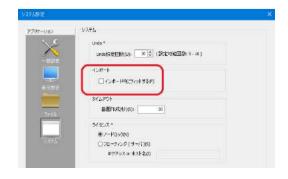
#### **■**Log file

Integrated the log information exported from [Help]-[Version Information]-[Output File...] and "SystemInfo.exe."



## ■ Fitting control after import

Now you can choose to fit the model right after importing to the view or not.





## Developer

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