

SOLIDWORKS Expansion Pack, 'SpeedWorks'
It is a program aiming for convenient and speedy design.

SOLIDWORKS Extension Add-in SpeedWorks

It is a program aiming for convenient and speedy design.



Convenient Design Tools





- ✓ Batch job instead of doing repetitive works.
- ✓ Maximize work efficiency using a program.
- ✓ Automate routines so that you can focus on design
- ✓ Prevent human errors in advance
- ✓ Minimize unnecessary tasks and gain work efficiency.
- ✓ Well customized for designers





FUN



SPEEDWORKS



Batch Property Material Editor
Configuration Manager
Component Explorer
Batch Convert Drawings
Batch Drawing Template Change
Edit Weldment Structure Property
Manage Properties tab file

❖ Batch Flat Pattern Exporter

Rename Component

Component Separation

Batch Rename

Folder Cleaner

Find Current File

Save As in Location

Multi-body Separation

Tree Organizer

Component Drawing List



Primitives

Parameter Coordinate System

Create Batch Point

❖ Auto Barcode Insert

3D Sketch Conversion

Create Batch Hole

Booster

❖ Hole Color Editor

Auto Faces Split

Advanced Layer

Insert Hole Spacing Dimensions

Sketch Centerline

Hide Distant Edges

Hole Count Delimiter

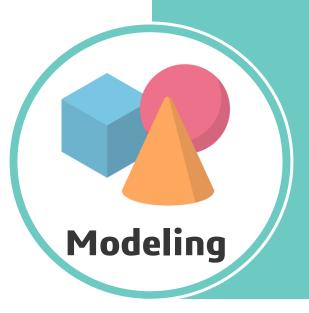
3D Center Mark

Font Converter

Countersink Depth

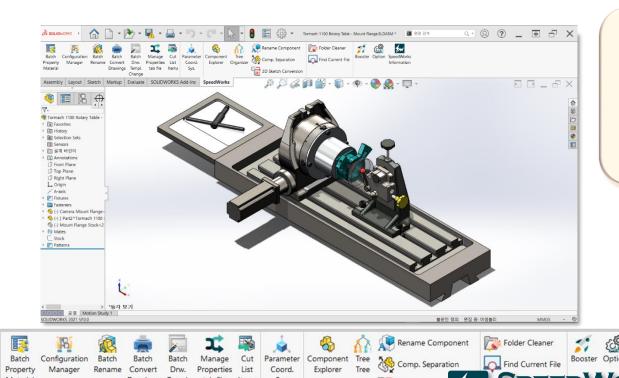
Tolerance Manager







User Interface



"Are you managing to get used to the new program?"

"Are you unsatisfied with the unpleasant SOLIDWORKS environment?"

"Is the program unsuitable for overseas branches?"

User-friendly UI

- ✓ Optimizes user convenience due to on-board UI in SOLIDWORKS environment.
- \checkmark Helps users access to the program easily by using property tools.

Provides Functions by File Type

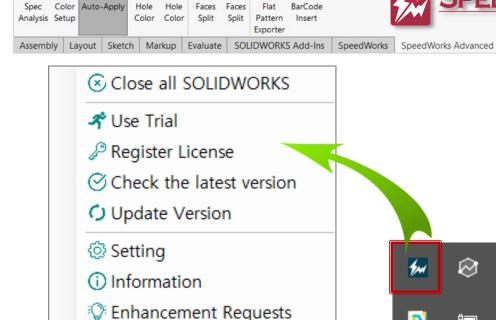
- ✓ Offers a suitable UI per each environment (ex. A part, a drawing and an assembly)
- Allows users to create a complex design per each design file type.

Convenient UI

- ✓ Lets users to design much faster through the compatibility among functions (e.g. Shortcut keys, Mouse gesture)
- ✓ Ensures the program is always up-to-date by using Try Apps.

Supports Multilingual Functions

- ✓ Percepts the current OS language automatically and adjusts the language.
- ✓ Allows a change into the multilingual version in accordance with specific configurations.







(b) End



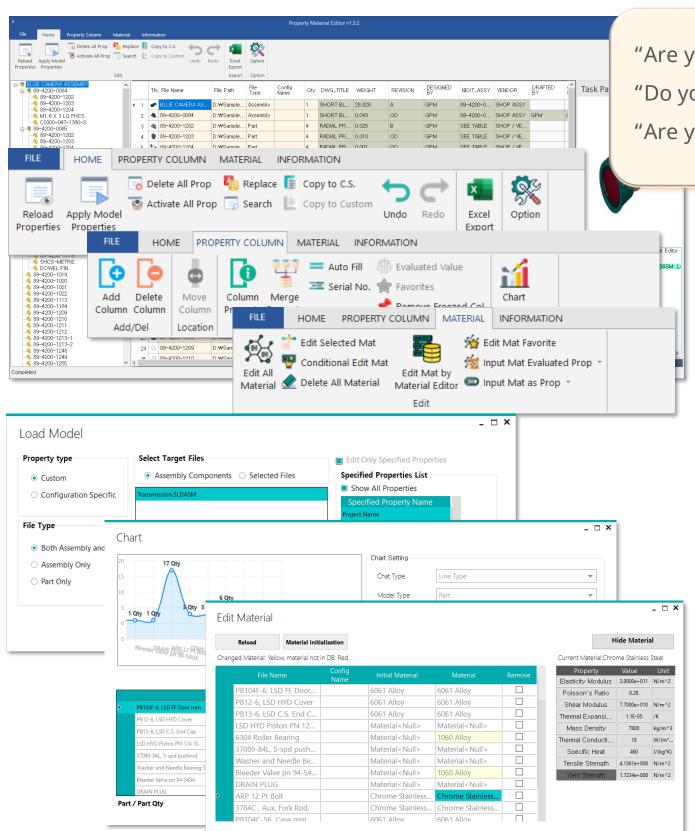
Batch Property Material Editor(Batch job)











"Are you consuming too much time on creating a component parts list?"

"Do you feel burdened to insert tons of component properties?"

"Are you unable to understand property information quickly?"

Automatic Extraction and Batch Property Edit

- Enhances the readability of property information by automating the model analysis.
- ✓ Shortens work hours by inserting and editing batch properties through multiple tools.

Batch Edit Part Materials

- Offers a suitable UI per each environment (ex. A part, a drawing and an assembly)
- Allows users to create a complex design per each design file type.

Property Type Management

- Regularizes the property management by loading and editing selected properties.
- Enables a systematic property management by duplicating both custom properties and specific configuration properties.

Automatic Excel Parts List Export

- Reduces the time spent on designing by exporting component properties and quantity information automatically.
- Exports the parts list with better readability by automating an image insertion.



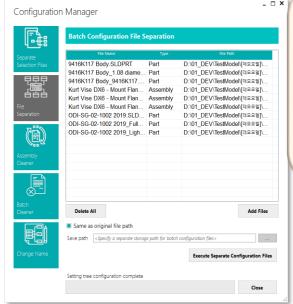


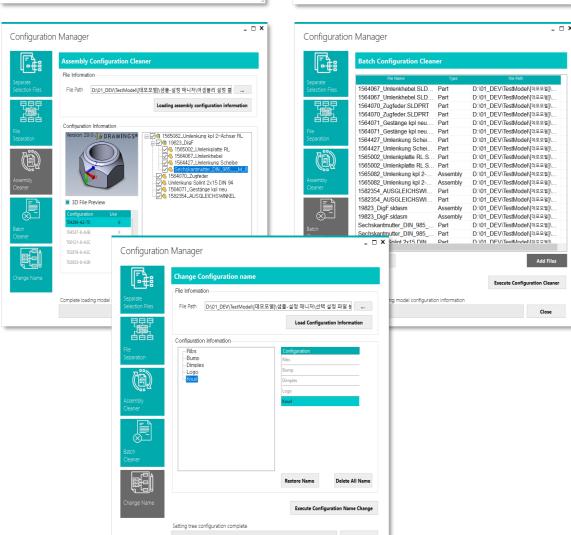
Modified number of materials:2

Configuration Manager (Batch job)









"Have you gotten tired of Save As configuration files one by one?"

"Are there numerous unnecessary configurations on the assembly component?"

"Are you under pressure to change a great number of configuration names one by one?"

Separate Model Configuration Files Automatically

- ✓ Allows user to use each configuration on other files by separating configuration files automatically.
- ✓ Automates the individual filing of each configuration when using configurations in a mirror mode or by each version.

Delete Batch Unused Assembly Configurations

- ✓ Simplifies the final model generation by getting rid of unused component configurations in batches.
- Solves an overloading issue by eliminating unnecessary configuration in batches.

Rename Batch Configuration Names

- \checkmark Organizes configuration names in a list for better convenience when editing.
- Reduces the time for a file management by renaming numerous configuration in batches.

Batch-Process Multiple Model Configurations

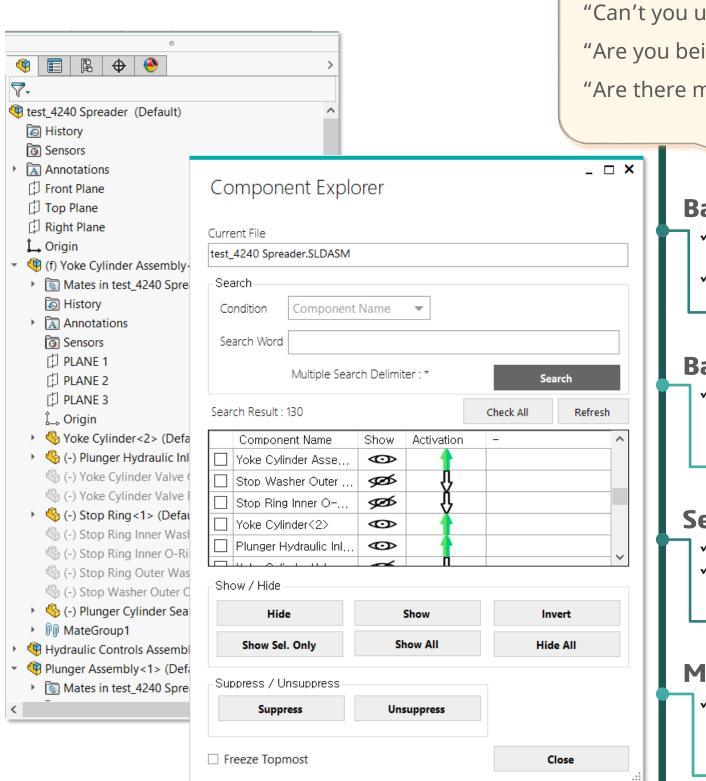
 Optimizes the work efficiency by batch-processing numerous files when organizing in-house data configurations in batches.





Component Explorer (Batch job)





"Can't you unsuppress the component in the assembly?"

"Are you being sick of repeatedly selecting components to hide in batches?"

"Are there missing components even you have chosen to see all components?"

Batch Show/Hide

- ✓ Finds the hidden components in batches and switches the visible state of them.
- Converts the visible state of the component in the sub-assembly that is difficult to find.

Batch Suppress/Unsuppress

Enables users to suppress/unsuppress the component that couldn't be found since it was in the sub-assembly by searching the component automatically.

Select Components in Specific State

- ✓ Maximizes the component usage by selecting only hidden components.
- Simply selects and deletes suppressed files in batches.

Manage Components through Explorer

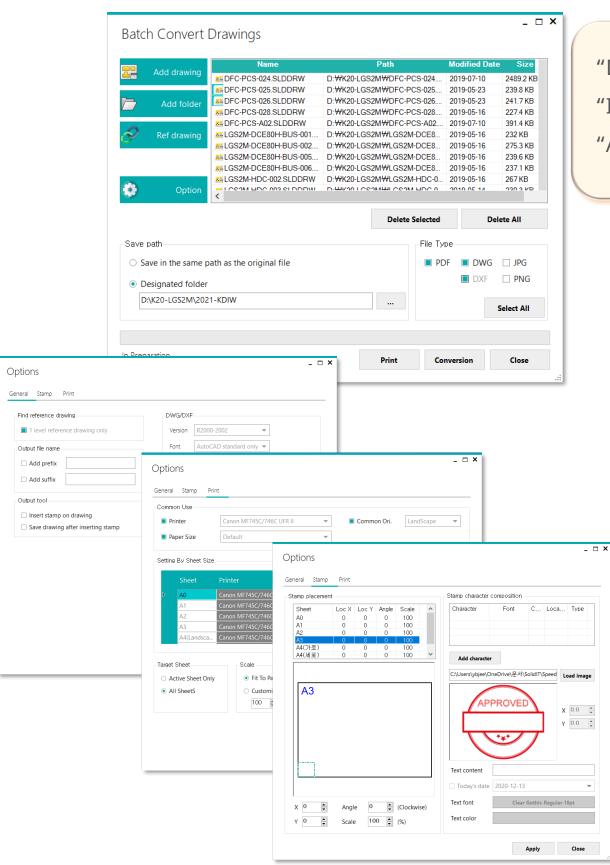
Lets users to select and have a full control over components by exploring components by a name and a mass property base.





Batch Convert Drawings (Batch job)





"Do you want to convert drawing files into PDF and DWG format one at a time?

"Isn't it taking too long to print drawing files?"

"Are you being fed up with a manual stamp insertion?"

Convert Batch Files

- ✓ Unburdens users by converting drawings in batches.
- ✓ Eases the repetitive workload by batch-processing multiple formats (e.g. PDF, DWG etc.)

Batch Print

- Lessens unnecessary tasks by automating the printing process for the drawing release.
- ✓ Decreases the time for exporting by multi-printing simultaneously by each paper size.

Insert Stamp Automatically

- Automates a stamp insertion instead of doing it manually and print the drawing with the stamp.
- ✓ Produces consistent printouts by specifying the stamp location per each sheet.

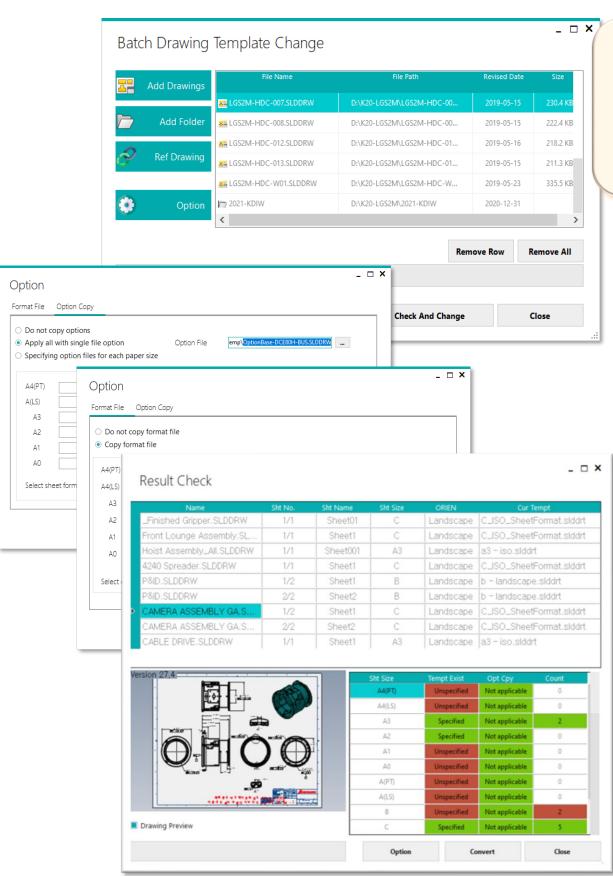
Batch-Process Reference Drawings

- Eliminates the need to search files by batch-processing reference drawings by a file base.
- ✓ Simplifies the batch-process of exporting the finalized models.
- ✓ Provides rebuilding drawing file option



Batch Drawing Template Change (Batch job)





"Doesn't each designer use a different drawing type?"

"Are you wasting time on converting an existing drawing into a new drawing type?"

"Are you able to reuse the existing drawing right away?"

Convert Batch Drawings Into Templates Automatically

- ✓ Standardizes the drawing by replacing drawings with the specified template.
- \checkmark Presents the output by performing a batch conversion on multiple sheets.

Convert Batch Templates by Drawing Base

- ✓ Allows users to convert each drawing with its option information in batches after specifying a standard drawing.
- √ Improves work efficiency by reusing existing drawings.

Review Drawing Validity

- ✓ Prevents human errors by verifying the validity of the converted drawing through a preview in advance.
- √ Visualizes the number of converted drawings by each paper size

Batch-Process Reference Drawings

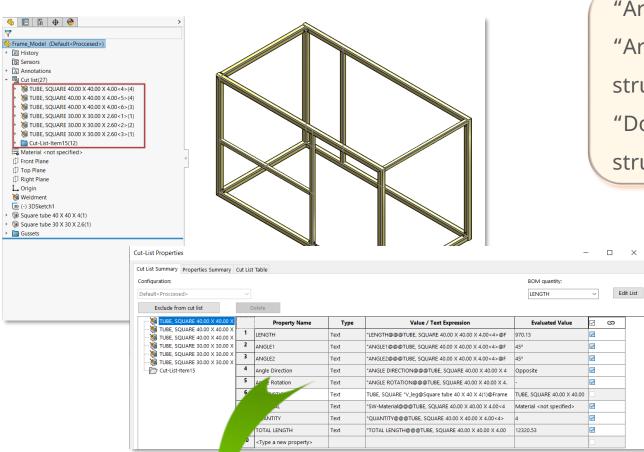
- Decreases the amount of time for searching files by batch-processing drawings that are referred by a file base.
- ✓ Lets users to reuse the finalized model on other projects.

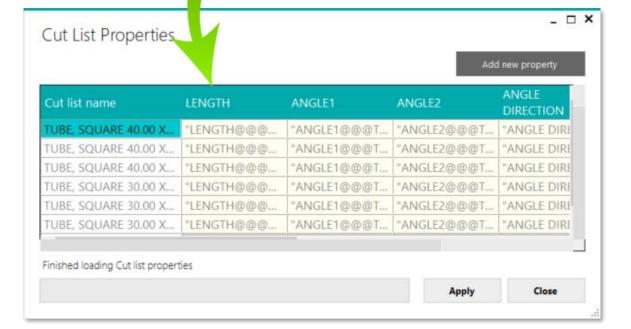




Cut List Properties (Batch Job)







"Are you editing properties of each weldment structure one by one?"

"Are you sick of repeatedly inserting the common property of the weldment structure?"

"Do you find it difficult to remove unnecessary properties of the weldment structure?"

Automatic Extraction of Weldment Structure Property

- ✓ Analyzes batch properties of the weldment structure automatically so that users can understand property information instantly.
- ✓ Helps users to easily edit properties of a body in various types such as a beam, a gusset etc.

Batch Edit Weldment Structure Property

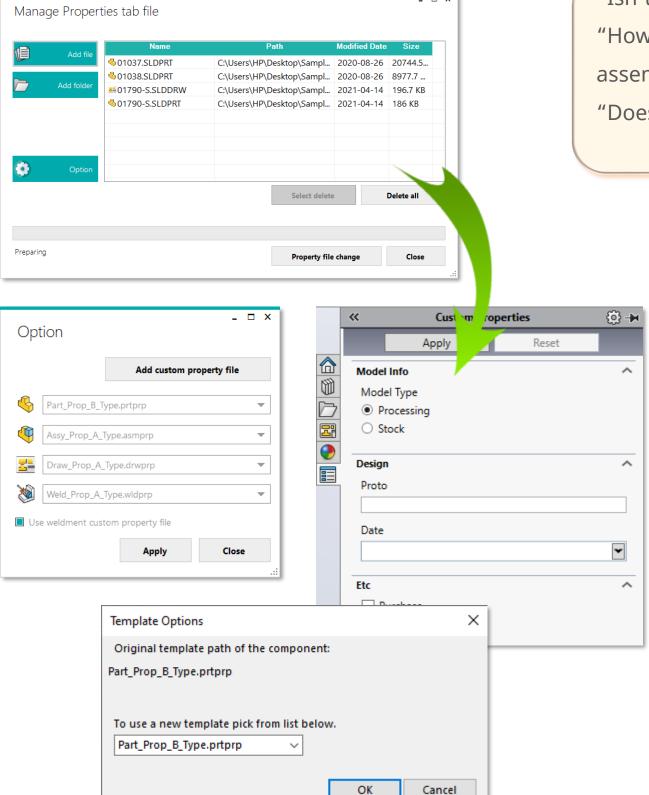
- ✓ Makes it easier to insert the common property to the structure with the 'Add new property' function.
- ✓ Reduces the time spent on managing files by removing unnecessary properties in batches.





Manage Properties tab file (Batch Job)





"Isn't it cumbersome to specify individual custom property files?"

"How do you manage properties for each document type, such as parts, assemblies, and drawings?"

"Doesn't the way designers manage custom properties differently?"

Batch change custom property

- ✓ Batch change of custom properties of part, assembly, and drawing files.
- ✓ Batch analysis of document type and batch change to specified custom file.

Specifies custom properties file specific documents

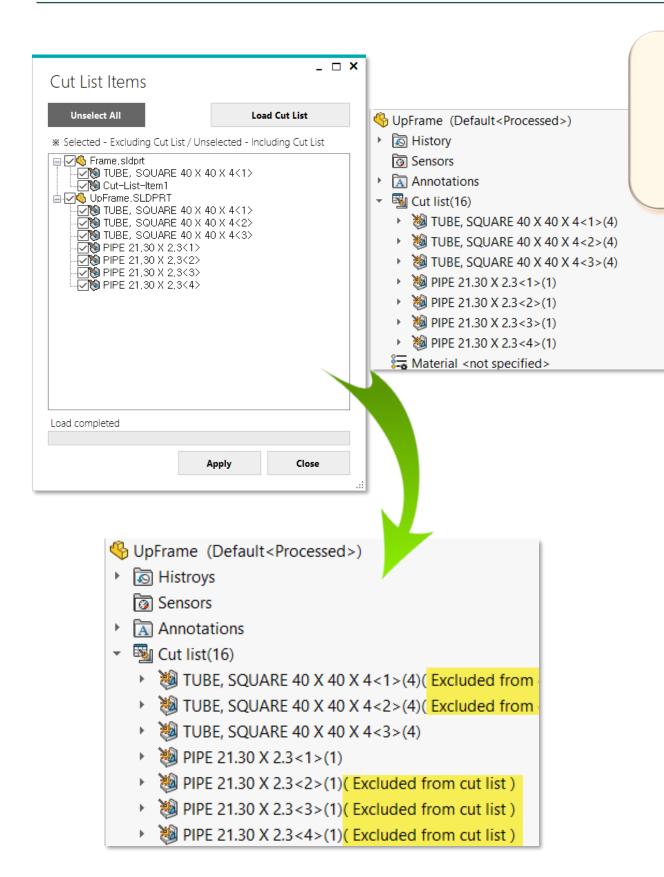
- ✓ Part, assembly, drawing, and weldment structure individual custom.
- ✓ Automatic saving of last used custom file.

Weldment structure custom file applied

- Weldment structure custom property file of part document can be changed in batch
- \checkmark Can specify whether to use weldment structure custom property file.

Cut List Items (Batch Job)





"Isn't it inconvenient to see cut list in the assembly BOM??"

"Don't you edit them individually to exclude cut list?"

Cut List Excluding/Including

- ✓ Intuitive UI allows for batch exclusion of cut list by simple select
- ✓ Excluding/Including cut list by check and uncheck checkbox

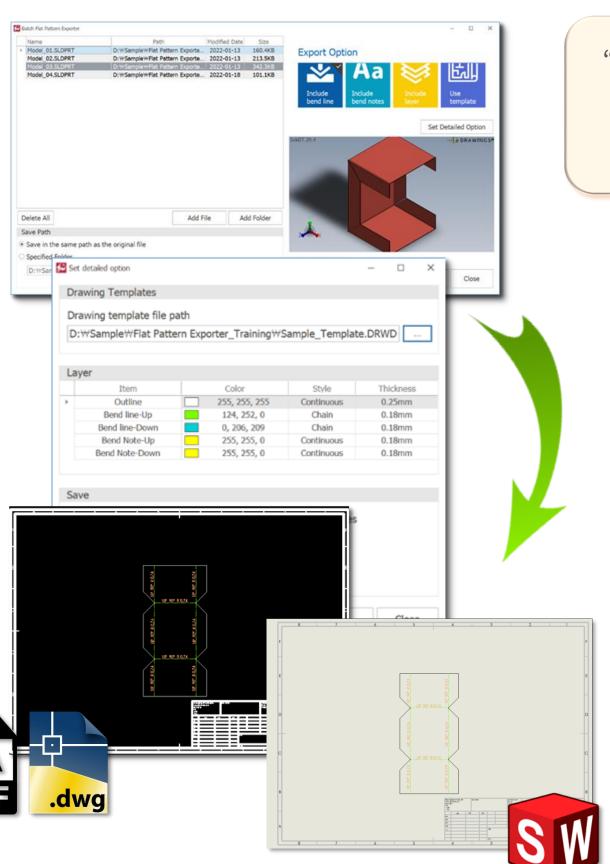
Cut List model auto-analysis

- ✓ Load Cut list items from Part document.
- ✓ Load Cut list items from referenced components in assembly



Batch Flat Pattern Exporter (Batch Job)





"Isn't it annoying create DWG Flat pattern file?"

"Isn't it different specify outline, bendline and bendnote?"

"Isn't it inconvenient to change DWG drawing template?"

Creating Batch Flat Pattern File

✓ It is possible to exporting sheet metal file as DWG/DXF flat pattern file in batches.

Creating Customized Flat Pattern

✓ It is possible to specify whether or not to include bend lines, bend notes, etc.

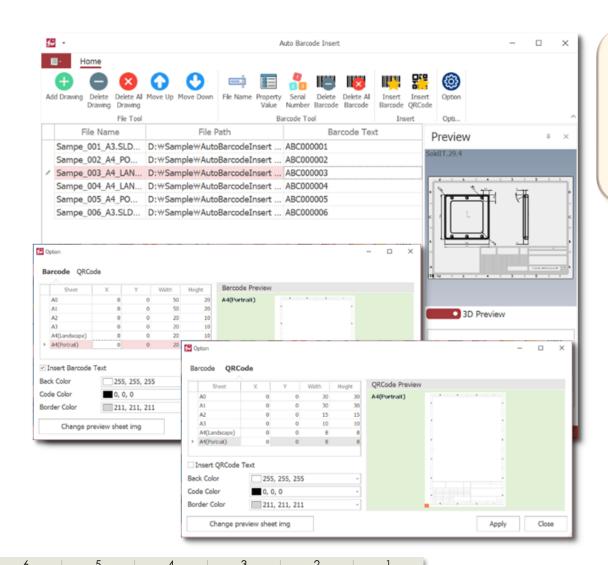
Flat Pattern Output Diversification

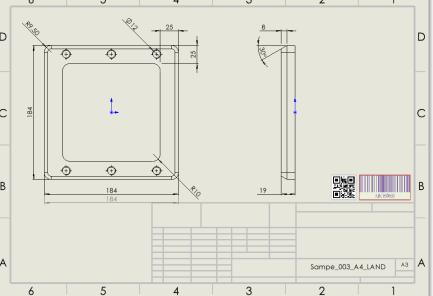
- ✓ Able to select exporting as DWG/DWF or SOLIDWORKS drawing.
 - Exporting drawings by applying templates or layers.



Auto Barcode Insert (Batch Job)











"Do you know how to check drawing info on manufacturing"

"How do I put various information in a drawing?"

"How to insert barcode/QR code into drawings?"

Batch Insert Barcodes into Drawings

- ✓ Barcodes can be inserted into multiple drawings at once
- ✓ Barcode text can be created individually for each file

Barcode/QR code

- ✓ Provides automatic creation and insertion of barcode/QR code.
- ✓ Barcode/QR code preview function provided.

Creating barcode from file info

- ✓ Creating barcode from file name and property values.
- ✓ Easily insert serial number into barcode text.

Customized Barcode

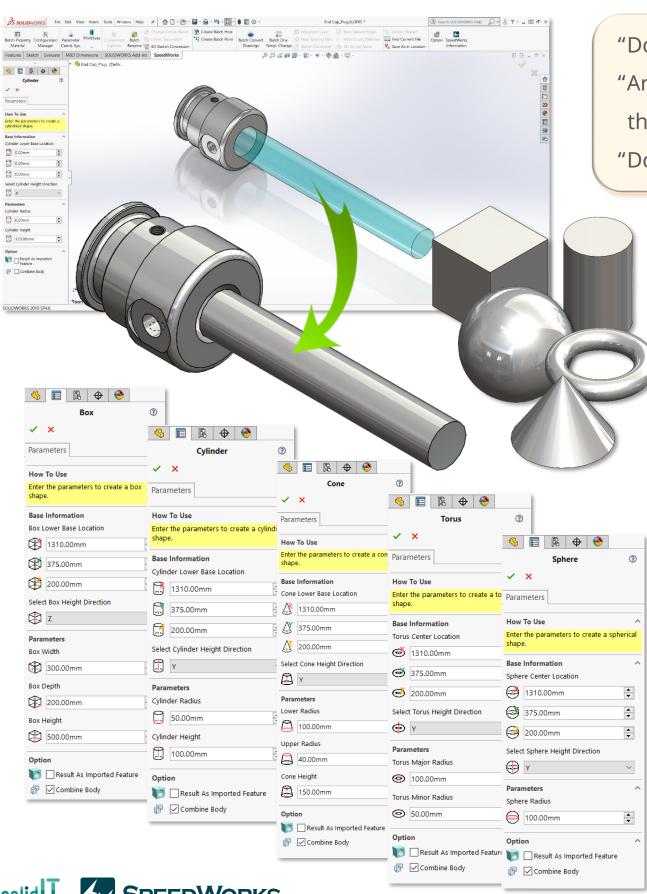
- ✓ Provide barcode/QR code placement and size setting.
- ✓ Easy barcode placement function through preview.





Primitives (Modeling)





"Do you still create a simple test model manually?"

"Are you desperate to be free from a manual plane making to locate the model in a specific location?"

"Do you need a simple SOLID shape model?"

Generate Basic Shape Model Automatically

- ✓ Reduces simple repetitive works by generating a model in different shapes (e.g. Box, Cylinder, Cone, Torus, Sphere) automatically.
- ✓ Lessens the time need for the design by inserting minimum parameter data.

Automatic Generation on Specific Location

- ✓ Generates the model with a plane when generating it on any other location except on the base plane.
- Generates the model in a specific location wherever users want by simply inserting values of the axes, which are x, y and z

Outputs in Diverse Formats

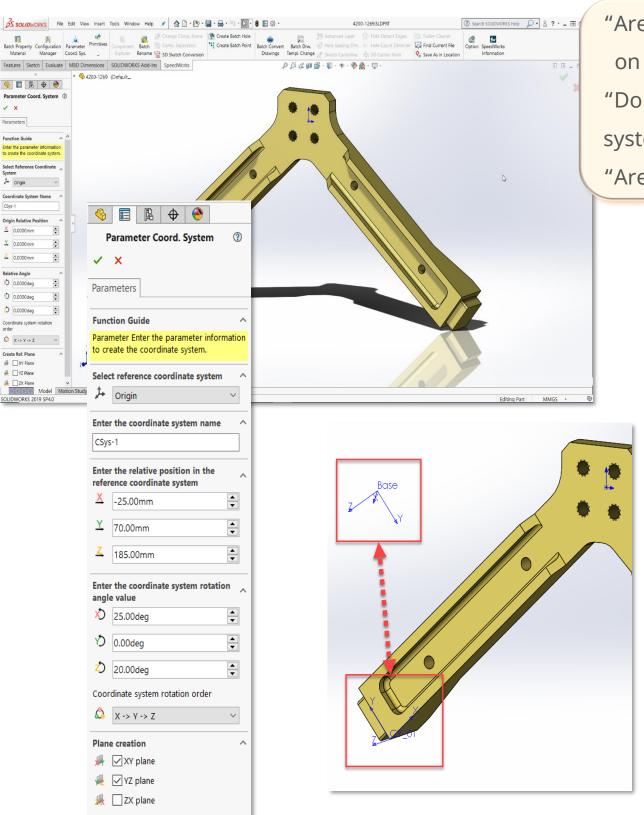
- ✓ Produces an editable model if the model has been created with the 'Sketch Feature"
- ✓ Produces a lighter and easily manageable model if the model has been created with the "Imported Features".

Various Usage on Design

- Makes the most of the model that has been generated through a reverse designing on various designs.
- ✓ Diversifies the shape of the model through the 'Combine Bodies' function.

Parameter Coordinate System (Modeling)





"Are you having a difficulty generating a coordinate system on a random location?"

"Do you still create a sketch to specify the axis direction of a coordinate system?"

"Are you struggling to rotate and move a coordinate system?"

Generate Simple Coordinate System

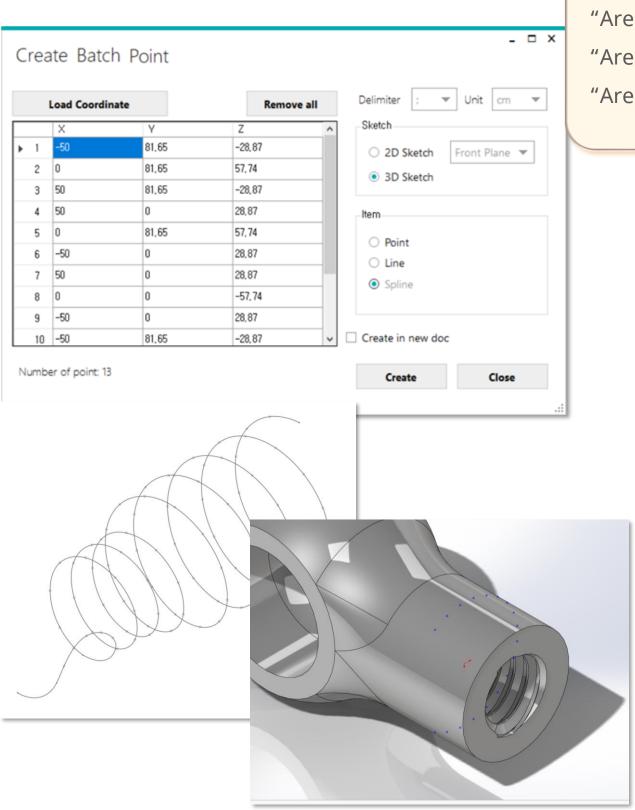
- ✓ Generates a coordinate system automatically without the effort to draw a sketch
- ✓ Generates a coordinate system on the specific location by simply inserting parameter data.

Utilize Existing Coordinate System

- Uses the origin coordinate system to rotate and move the coordinate system.
- ✓ Generates a new coordinate system by referencing the coordinate system that has been created earlier.

Create Batch Point (Modeling)





"Are you making the most out of an original coordinate data?"

"Are you losing tons of time due to a repetitive task?"

"Are you challenged with the edge generation of a complex shape?"

Load Coordinate Data

- ✓ Provides user-friendly work environment by supporting txt and csv files.
- Diversifies outputs by letting users to edit data freely.

Create Batch Sketch Points

- ✓ Simplifies a design process by creating points in batches automatically with the loaded coordinate data.
- ✓ Makes the good use of generated point data on diverse designs including sketch patterns.

Create Batch Sketch Line & Edge

- Generates a model consisting of complex edges automatically through coordinate data shape.
- ✓ Offers a sweep function that is compatible with sketches including lines and edges.

Support 2D Sketch & 3D Sketch

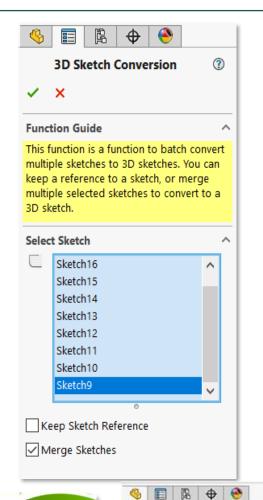
- Creates either a 2D sketch or a 3D sketch depending on the usage to utilize on the curbed-shape model.
- Enables users to reuse a sketch plane by allowing a random assignment of the plane.





3D Sketch Conversion (Modeling)





"Isn't it difficult to generate the model that needs multiple sketches (e.g. Sweep, Loft etc.)?"

"Are you struggling to apply an existing file to another sketch?"

"Do you want to group distributed sketches into a single sketch?"

Batch 3D Sketch Conversion

- ✓ Converts existing 2D sketches into a single 3D sketch automatically.
- ✓ Allows users to use an existing sketch without generating a sketch with sweep guide curves.

Convert Into A Single 3D Sketch

 Builds the better environment for users by converting multiple sketches into a single sketch when generating a complex shape.

Maintain Reference Relation with Original Sketch

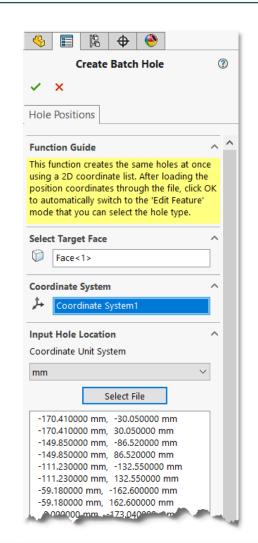
- Maintains the reference relation with the original sketch and by the original data.
- ✓ Enhances the flexibility of designs by using the drawing of which reference relations are left intact.

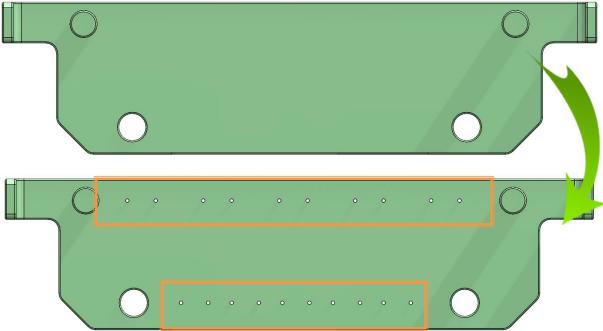
dle-RH (Default < < Defau listory (a) History ত্তি ১ensors Sensors Annotations Annotations Solid Bodies(1) Solid Bodies(1) Material <not specified> Material < not specified > Front Plane Front Plane Top Plane Top Plane Right Plane Right Plane L. Origin L Origin mported1 Imported1 Plane (-) Sketch10 (-) Sketch9 (-) Sketch10 (-) Sketch11 (-) Sketch12 (-) Sketch13 (-) Sketch14 (-) Sketch15 == (-) Sketch15 (-) Sketch16 30 (-) 3DSketch1



Create Batch Hole (Modeling)







"Are you bothered to create holes repeatedly?"

"Do you still perform the same task repeatedly when a specific hole location is repetitively used?"

"Are you able to create holes based on coordinates?"

Create Batch Holes

- ✓ Automates a batch creation of holes that are repeatedly used.
- ✓ Processes simple repetitive tasks in batches.

Utilize Coordinate Data

- Creates holes based on a txt file to optimize user convenience.
- ✓ Specifies a unit system of the coordinate system to maximize the use of various coordinate systems.

Create Standard Holes

- ✓ Creates standard holes in batches by using Hole Wizard.
- Enables users to use the 'Hole Count Delimiter' function by reflecting created hole information on the drawing.

Flexible Design Modification

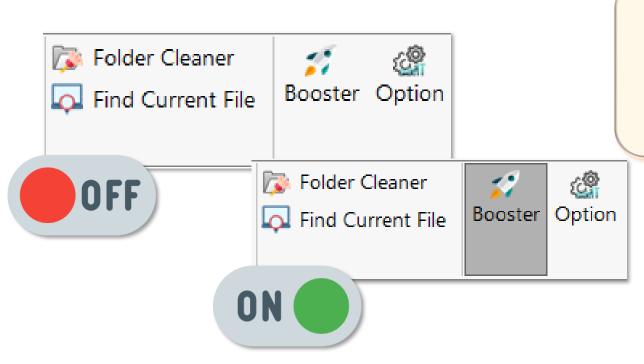
✓ Allows users to easily modify standard information and the location of holes that have been created in batches through Hole Wizard.





Booster(Modeling)





"Is not slow SOLIDWORKS?"

"Difficult to change options for speed up?"

"Aren't individual settings annoying?"

Performance optimize activate/deactivate

- ✓ Users can activate/deactivate by toggle.
- ✓ Optimization can be implemented in large assembly mode.

Booster Option Common Performance Large Assembly Performance Do not save auto recover info Show latest Technical Alerts and News in Welcome dialog Do not rebuild when switching to assembly window No Anti-aliasing ■ Hide all planes, axes, sketches, curves, annotations, etc. ■ Disable Show breadcrumbs on selection Do not display edges in shaded mode Disable High quality for normal view mode Do not preview hidden component Disable High quality for dynamic view mode Disable verification on rebuild Curvature generation Level High Optimize image quality for better performance Suspend automatic rebuild Disable Use shaded preview Enhanced graphics performance Disable Scroll selected item into view Batch setting of optimal speed

Integrated UI

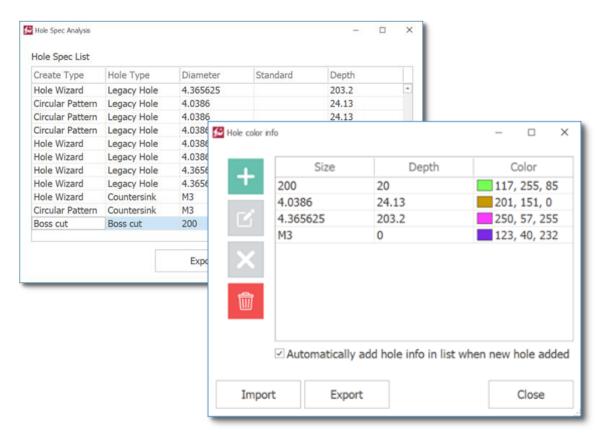
_ 🗆 X

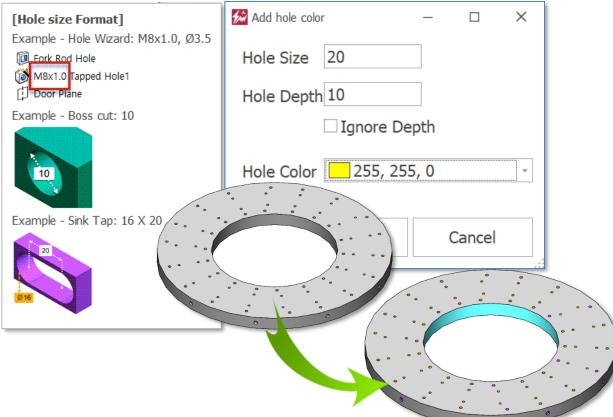
- ✓ Separated performance options are gathered to same UI.
- ✓ By clicking 'Reset' button, easy to rollback default setting.



Hole Color Editors (Modeling)







"Is it possible to visually tell the model's hole size?"

"Isn't it difficult to identify hole size?"

"How do you manage the standard hole size?"

Inserting Hole Color

- ✓ Inserting hole color based on specified setting.
- √ Function is available in Part and Assembly mode

Hole Spec Analysis

- ✓ Automatically analysis holes in model.
- ✓ Using hole color setting based on analysis result.

Process hole color design

- ✓ Standardize design process by specifying in-house standard
- ✓ It support importing/exporting function to share setting.

Color management with design

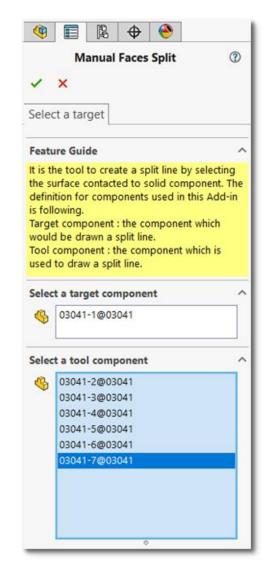
- ✓ Able to create colored hole when feature processing
- ✓ Automatically insert color into hole when not set hole size

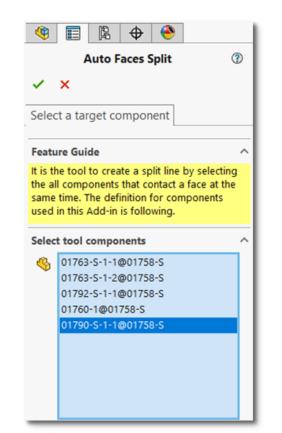


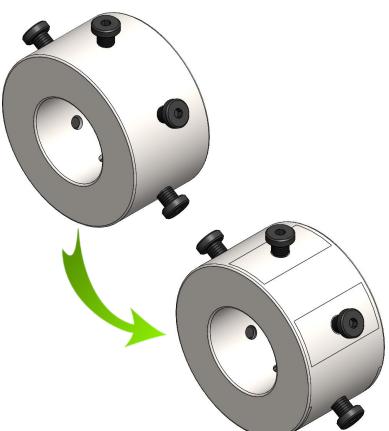


Auto Faces Split (Modeling)









"Doesn't analysis preprocessing take a lot of time?"

"Isn't it difficult to analyze contacting area?"

"How to make split lines in contacting area?"

Analysis contacting area

- ✓ Automatic analysis of area between contacting 2 models
- ✓ Selecting a target component or multiple components for analysis

Creating split line

- ✓ Creating split line in contacting area in batches
- ✓ Created as a parting line feature for parts for easy editing
- ✓ Easy selecting to make split lines

Manual/Auto create split line

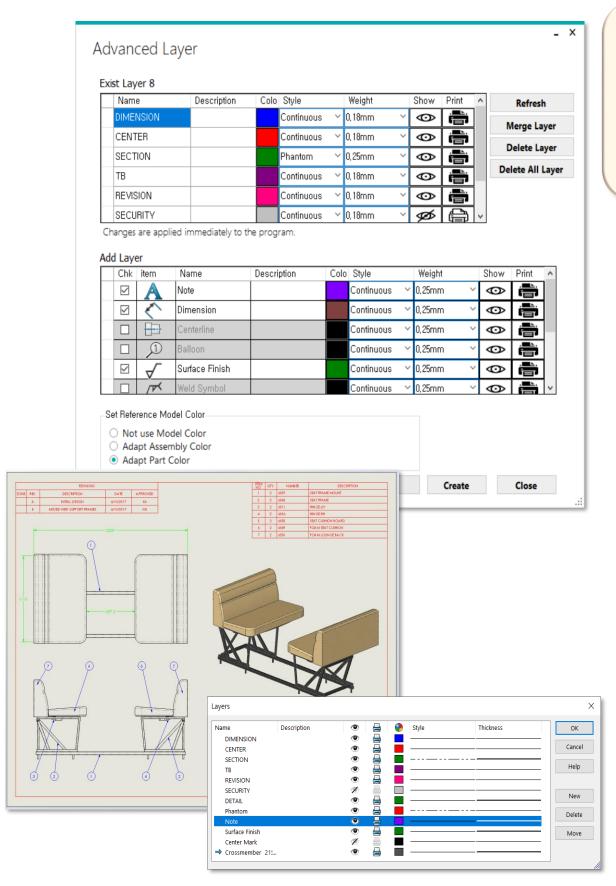
- ✓ Analysis and creating split line by specifying target component
- ✓ Analysis contacting area and create split line by selecting component





Advanced Layer (Drawing)





"Are you getting tired of modifying each annotation without a layer one by one?"

"Are you burdened with displaying the original color of a model on the drawing?"

"Do you still apply an inappropriate layer on the annotation?"

Batch Annotation Layers Application

- ✓ Applies layers automatically by extracting annotations of the drawing in batches.
- \checkmark Prevents human errors by assigning the annotation layer automatically.

Apply Component Color Layer Automatically

- Extracts the original color of a model and applies it on the model in the drawing view.
- ✓ Produces visually precise drawings by exporting the drawings in the DWG/ DXF format.

Convenient Layer Editing Functions

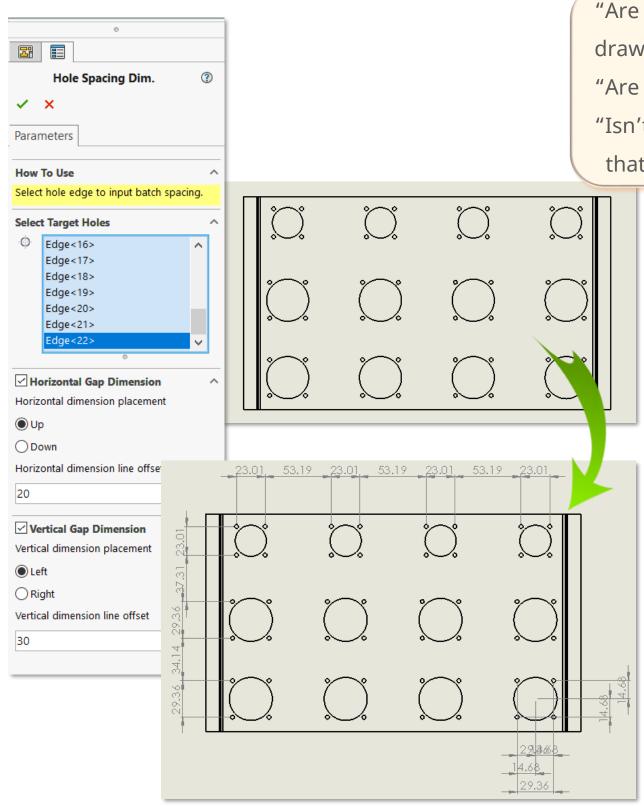
- Deletes whole layers in batches through the 'Delete All' function.
- ✓ Helps users to manage layers easily by merging existing layers as a single layer.





Insert Hole Spacing Dimensions (Drawing)





"Are you under pressure to insert dimensions of numerous holes on a drawing?"

"Are you unable to adjust the location of dimensions?"

"Isn't it inconvenient to insert spacing dimensions of holes that are arranged densely?"

Insert Hole Spacing Dimensions Automatically

- ✓ Relieves design stress by allowing users to simply click holes to insert hole spacing dimensions.
- ✓ Inserts arranged dimensions automatically by analyzing the hole center location.

Arrange Inserted Dimensions Automatically

- ✓ Arranges dimensions that have been created automatically by specifying the offset value.
- ✓ Creates a top-notch level drawing without the secondary work to arrange dimensions.

Batch-Process Spacing Type

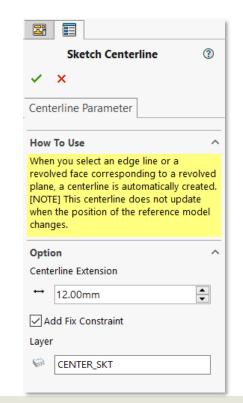
- \checkmark Inserts dimensions with consistent horizontal and vertical gap spacing.
- Produces the output much faster by arranging dimensions based on each spacing type.

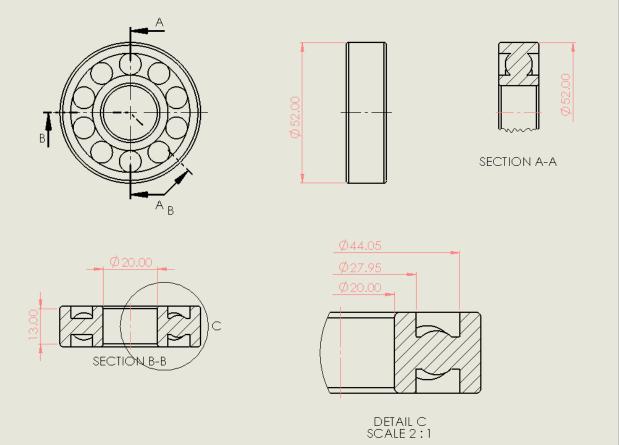




Sketch Centerline (Drawing)







"Are you struggling to insert dimensions on the Section View?"

"Do you want to display centerline locations on the Detail View?"

"Do you need to find and create centerlines of the revolving surface?"

Create Centerline of Rotating Body Automatically

- ✓ Creates complex centerlines by using edge lines as a basis.
- ✓ Uses a revolving surface to create centerlines even on the complex model.

Utilize All View Types

- Creates centerlines by using both internal and external revolving surfaces in the Section View.
- Provides functions to create the centerline that can't be created in the Detail View.

Extended Functions

- ✓ Inserts diameter dimensions using the existing centerlines.
- Creates drawings with better readability by displaying diameter dimensions of the Section View and the Drawing View.

Create Customized Drawing

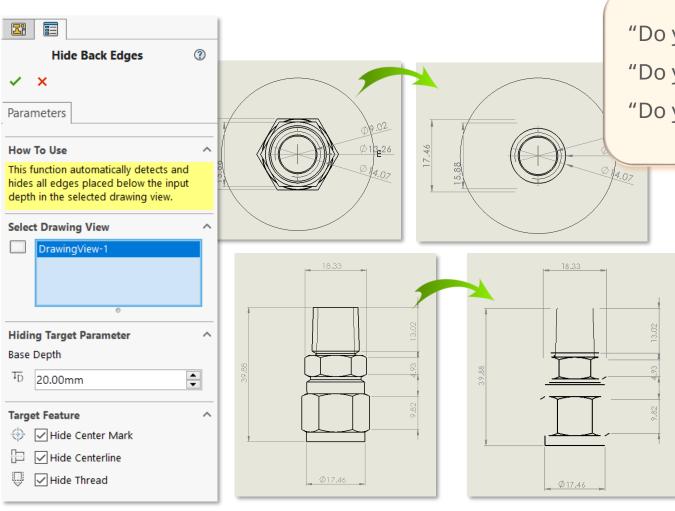
- ✓ Applies centerlines directly without a secondary work by using the centerline extension.
- Controls the visible state of centerlines since centerlines are created on extra layers.

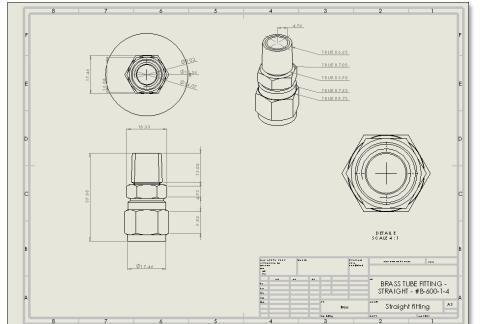




Hide Distant Edges (Drawing)







"Do you want to hide unnecessary lines from the Model View?"

"Do you need to display specific lines in the specific view direction?"

"Do you wish to see the view that locates in the specific depth?"

Hide Specified Distant Edges in batches

- ✓ Hides edges that exist deeper than the specified base depth in batches.
- ✓ Produces drawings with better readability by deleting unnecessary edges automatically.

Hide With Annotations

- Eliminates the need to perform a secondary work by hiding center marks and centerlines automatically.
- ✓ Promotes better communication regarding the design by displaying specific annotations on the drawing.

Batch-Processing

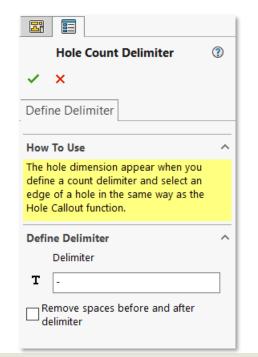
- Minimizes repetitive tasks by batch-processing multiple drawing views at once.
- Applies the function on all views at once to delete unnecessary edges in common.

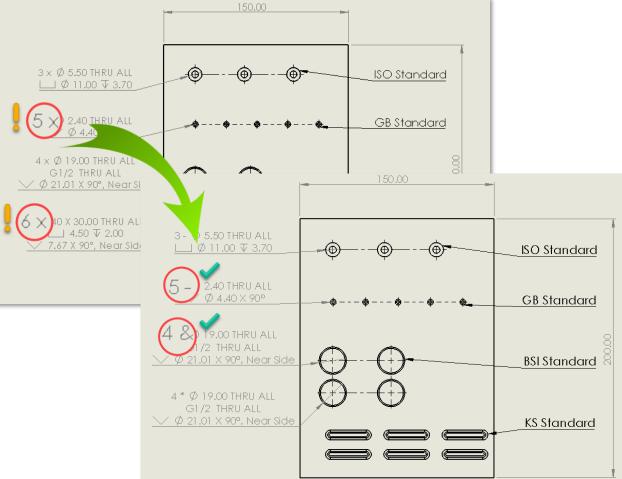




Hole Count Delimiter (Drawing)







"Can 'x' only be the available hole count delimiter?"

"Do you want to specify '-' as the hole count delimiter?"

"Are you bothered to modify the template just to display delimiters?"

Specify Hole Count Delimiter

- ✓ Modifies the hole count delimiter to '-' or to other signs.
- ✓ Lets users use any other signs except 'x' in regardless of the standard and avoid secondary work.

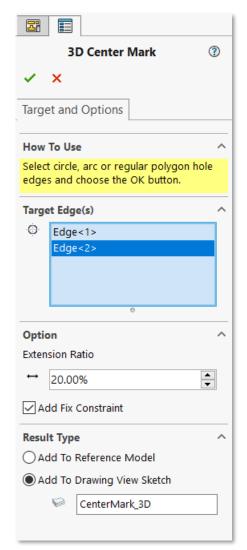
Maintain Hole Reference Relation

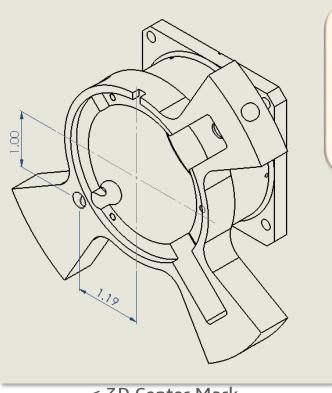
✓ Updates the annotation sign, hole size and hole quantity simultaneously to minimize the need to rework when modifying the design.



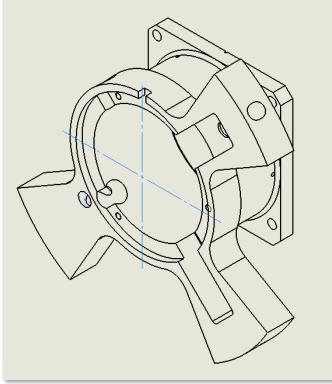
3D Center Mark (Drawing)







< 3D Center Mark added on the reference model>



<3D Center Mark added on the drawing sketch>

"How can I insert a center mark in the Isometric View and the ISO View?"

"Do you find it difficult to insert dimensions in the Isometric View?"

"Do dimensions on the Isometric View differ from actual ones?"

Display 3D Center Mark Automatically

- ✓ Eases the burden from users by allowing them to simply select a circular edge in the 3D View to create the center mark.
- ✓ Eliminates the need to perform a secondary work to create the center mark..

Insert Actual Dimensions by Centerline Base

- ✓ Inserts dimensions of the model by referring to the automatically created center mark.
- Creates the center mark as a survey length to produce an easily-understandable drawing.

Create Referred Center Mark

 Updates the center mark information whenever the shape of the model is modified.

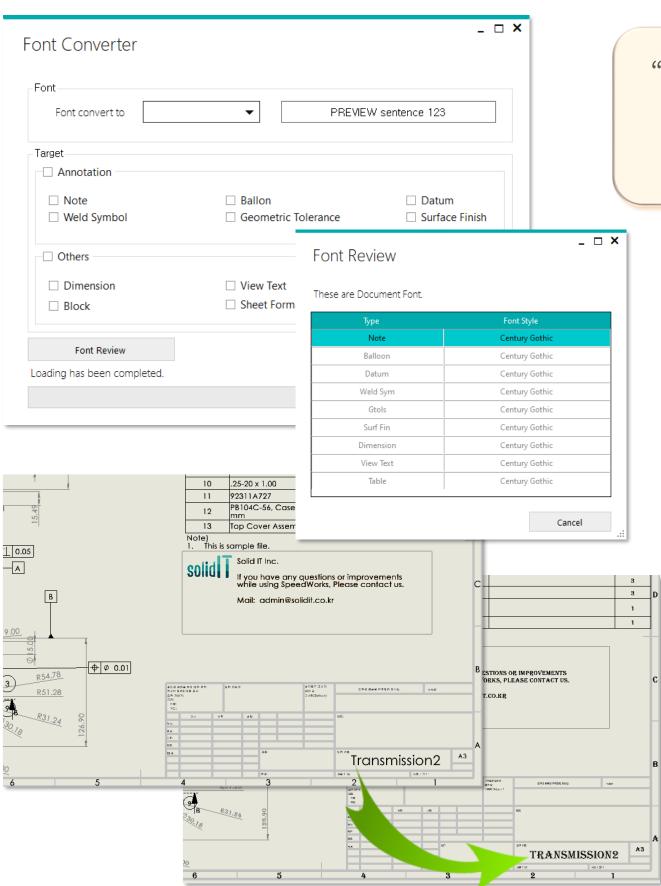
Modify Center Mark Style

- ✓ Simplifies the design without readjusting the center mark by specifying the centerline extension length.
- ✓ Grants users to show/hide center marks since each center mark's layer is created.



Font Converter (Drawing)





"Don't you use different fonts for each item?"

"How long does it take to edit the received drawing?"

"Isn't it inconvenient to modify the sheet format?"

Edit Document Setting

- Edit drawing file document setting
- ✓ Edit font without going through multiple steps

Including individual set text

- ✓ Apply to multiple sheets
- ✓ Font can be changed even does not use the document setting.

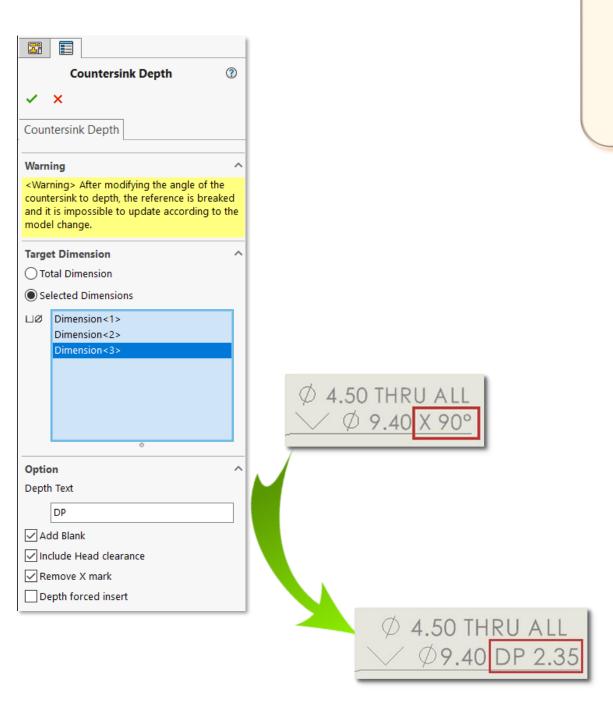
Sheet format, Blocks

- ✓ Able to edit blocks in sheet format
- √ From external element (ex: sheet format, blocks) also can modify



Countersink Depth (Drawing)





"How do you display countersink hole callout depth?"

"Aren't you manually editing the countersink hole callouts?"

Auto-calculating depth

✓ Convert countersink hole callout angular value to depth value

"Isn't it hard to batch edit countersink hole callout?"

✓ Choose to include head clearance to calculate depth or not

Provides various option

- ✓ Customizable depth text
- ✓ Provide adding blank option between depth text and depth value

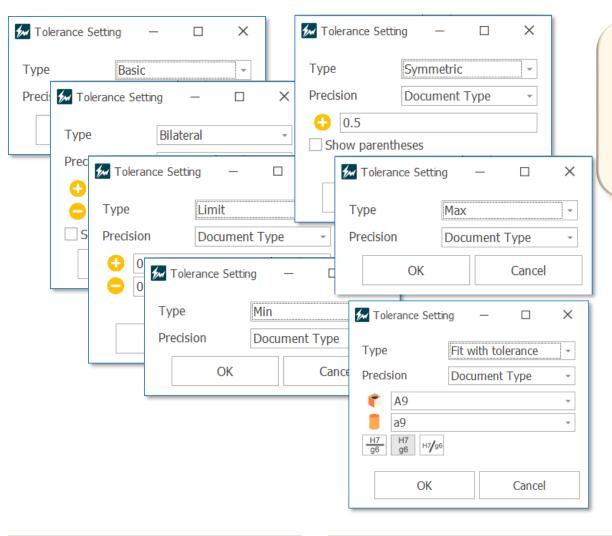
Utilize reference broken hole callout

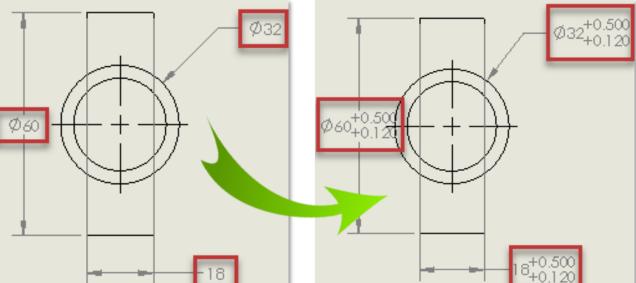
✓ It is possible to insert depth value into reference broken countersink hole callout



Tolerance Manager(Drawing)







"Isn't irritating to **insert tolerance** into dimensions?"

"Are you edit tolerance individually?"

"Aren't you missing when you remove tolerance?"

Insert Tolerance into dimensions

- Insert tolerance into selected dimension
- ✓ Insert multiple tolerance by dragging dimensions

Remove Tolerance dimensions

- √ Remove tolerance by selected dimension
- ✓ Remove multiple tolerance by dragging dimensions

Provide Tolerance Setting

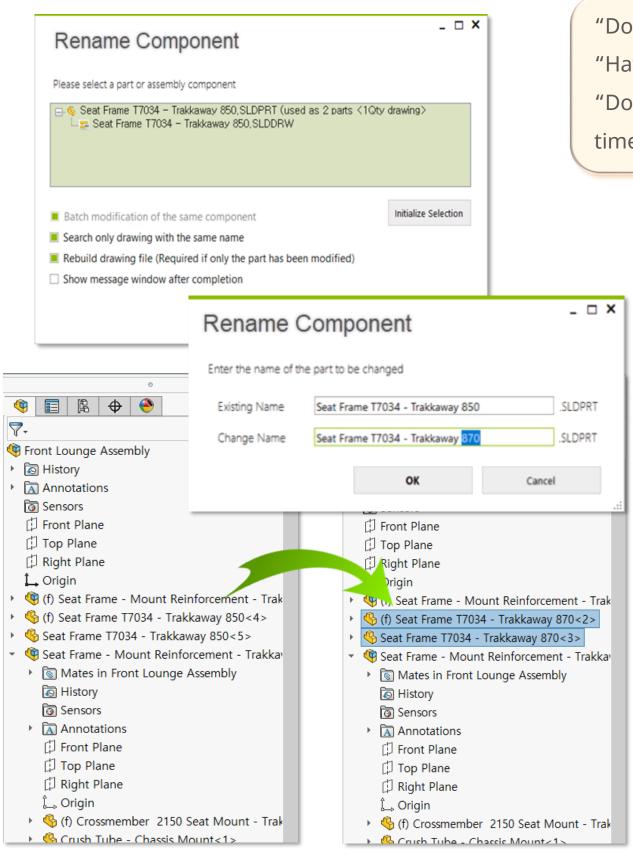
- ✓ Provide to set various type and precision
- ✓ Provide different UI depend on tolerance type





Rename Component (File management)





"Do you find it challenging to rename assembly components?"

"Have you experienced losing references while renaming components?"

"Do you want to rename components and reference drawings at the same time?"

Rename Assembly Component

- ✓ Renames components without losing references.
- ✓ Renames both files and tress to manage files effortlessly.

Rename Component with Reference Drawing

- ✓ Finds the drawing that are referred to the component and rename the drawing automatically.
- ✓ Optimizes the management of design data by renaming without losing reference relations of the drawing.

Manage Overlapping Component

- Renames components that are duplicated in the assembly or used repeatedly as a pattern.
- \checkmark Enables users to design a revision easily by renaming selected articles.

Efficient File Management

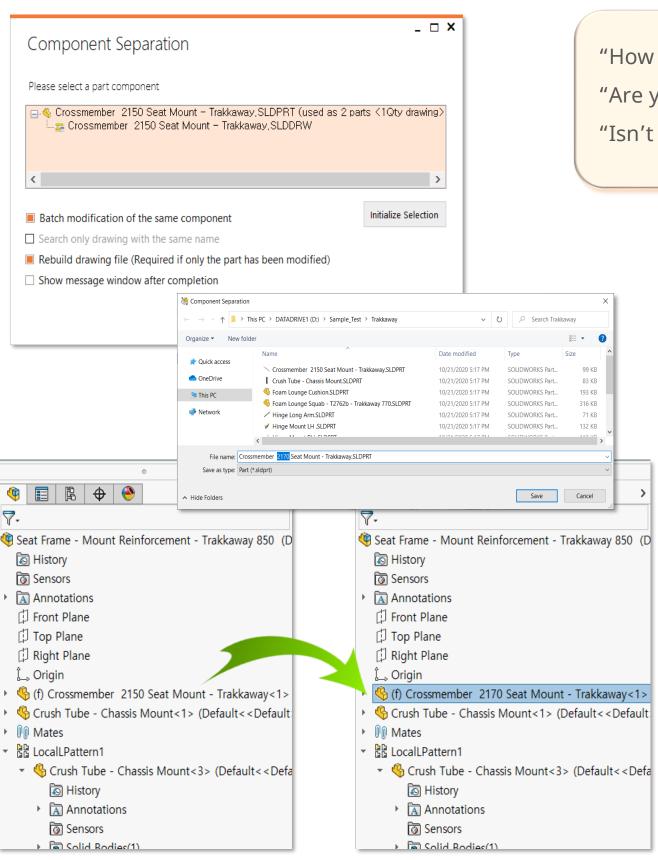
- Enables users to design a revision of selected components.
- ✓ Makes it possible to reuses existing models on new projects.





Component Separation (File management)





"How do you save as and manage components?"

"Are you in need to save as and replace specific components?"

"Isn't it demanding to create copied component with reference drawings?"

Save As & Replace Assembly Component

- ✓ Enables save as and replace components without breaking reference relations in batches.
- ✓ Renames both files and tress to manage files effortlessly.

Duplicate & Replace with Reference Drawing

- ✓ Finds the drawing that are referred to the component and rename the drawing automatically.
- ✓ Optimizes the management of design data by renaming without losing reference relations of the drawing.

Manage Overlapping Component

- Renames components that are duplicated in the assembly or used repeatedly as a pattern.
- \checkmark Enables users to design a revision easily by renaming selected articles.

Efficient File Management

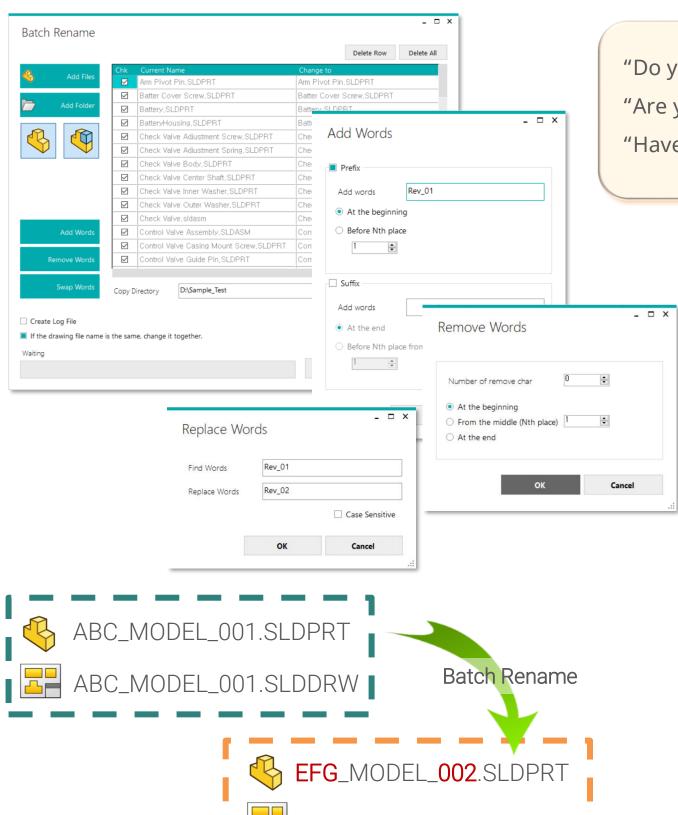
- Enables users to design a revision of selected components.
- ✓ Makes it possible to reuses existing models on new projects.





Batch Rename (File Management)





"Do you still rename numerous files one by one?"

"Are you in need to regularize files names while renaming files?"

"Have you noticed that reference relations are broken after renaming files?"

Rename Batch Files

- ✓ Allows users to save time by renaming in batches.
- ✓ Renames multiple articles including parts and assemblies.

Rename File under Rule

- Generates regularized names by using the 'Add Word', 'Change Word' and 'Delete' functions.
- ✓ Regularizes design data by applying the 'Part No' rule on file names.

Rename File with Reference Drawing

- ✓ Applies the same name on reference drawings of the file at once.
- Renames both 3D files and drawing files simultaneously to eliminate repetitive task.

Maintain Reference Relation

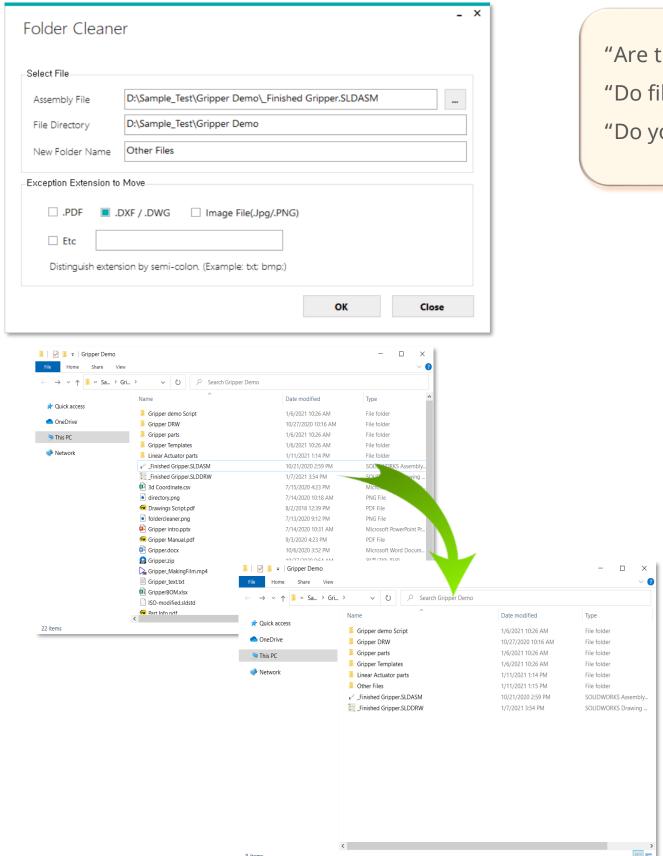
- Re-references the assembly and all reference drawings automatically when renaming files.
- ✓ Keeps reference relations intact even after renaming files.





Folder Cleaner (File Management)





"Are there numerous unused files in a folder?"

"Do files of the previous version still exist?"

"Do you want to manage only files in use after completing a project?"

Clean Batch Unused Files

- \checkmark Finds and cleans out unused files in the assembly in batches.
- ✓ Available to delete selected files that are stored in the unused file folder.

Clean Various Extension Folder

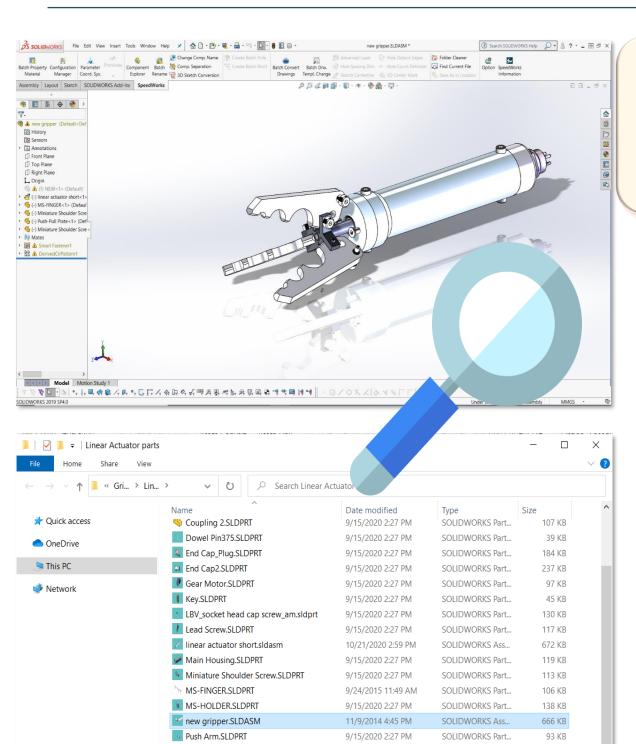
- ✓ Cleans out files except PDF and DWG at once.
- ✓ Leaves specific extension files by using the 'Exception Extension' function.

Efficient File Management

- Allows users to manage only finalized designs in the specific folder.
- ✓ Shares only valid files on the shared folder.

Find Current File (File management)





9/15/2020 3:43 PM

9/15/2020 2:27 PM

SOLIDWORKS Part.

SOLIDWORKS Part...

SOLIDWORKS Part...

SOLIDWORKS Part...

SOLIDWORKS Part...

SOLIDWORKS Part...

114 KB

103 KB

42 KB

"Are you consuming too much time on finding files through Explorer?"

"Can you easily identify the path of the current file?"

"Do you find it difficult the search the file through Explorer to share the file?"

Find Current File Location Automatically

- ✓ Finds the current file location through Windows Explorer.
- ✓ Reduces an unnecessary search process to find file paths.
- ✓ Figures out file paths through Windows Explorer.



25 items 1 item selected 665 KB

Push-Pull Plate.SLDPRT

Seal Screw, Short.sldprt

stu115 backup ring.SLDPRT

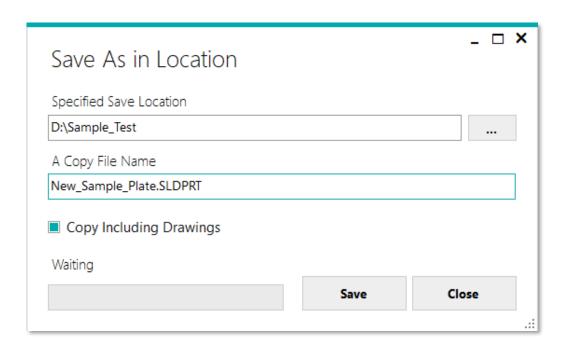
Subcon Connector.SLDPRT

Socket Countersunk Head Screw_AM.SLD...

Socket Head Cap Screw_BSI 2.SLDPRT

Save As In Location (File Management)





"Do you find it difficult to find the save location when saving as the file?
"Do you need to save a file with its reference drawings all together?"

"Are you struggling to recreate the reference relation of the drawing copy?

Save Batch Specified Location

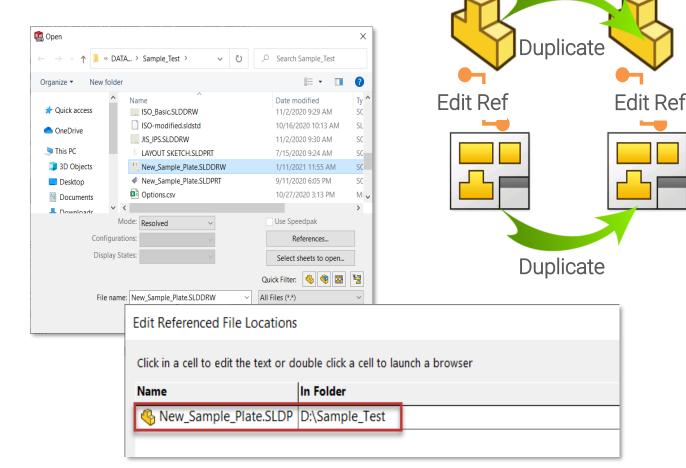
- ✓ Minimizes the time for finding a save location by logging save locations.
- ✓ Stores the most recently used save location to easily save files repeatedly.

Save with Reference Drawing

- ✓ Save a current file with its reference drawings to avoid unnecessary secondary work.
- ✓ Shortens the time needed for finding drawing files.

Maintain Reference Relation

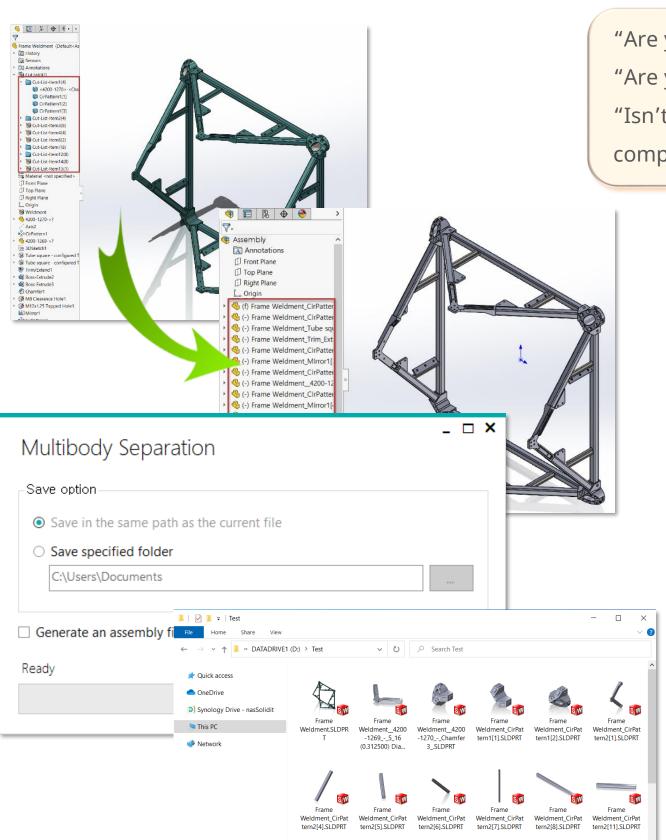
- Permits users to save as a drawing file with its copies in batches.
- ✓ Re-references a drawing file copy automatically to avoid breaking existing reference relations.





Multi-body Separation (File Management)





"Are you still saving bodies as a part one by one?"

"Are you stressed of making a part-body as an assembly?

"Isn't it hard to create a component drawing of the weldment structure's component?"

Separation of Body into Parts

- ✓ Separates and saves several bodies as an individual part in batches automatically.
- ✓ Avoids selecting bodies one at a time by saving all bodies as an induvial part at once.

Conversion of Parts into Assembly

- ✓ Converts bodies that are saved as a part into an assembly.
- ✓ Decreases the design time by automating the insertion of the component into the assembly and the placement of it.

Convenient Creation of Weldment Structure Drawing

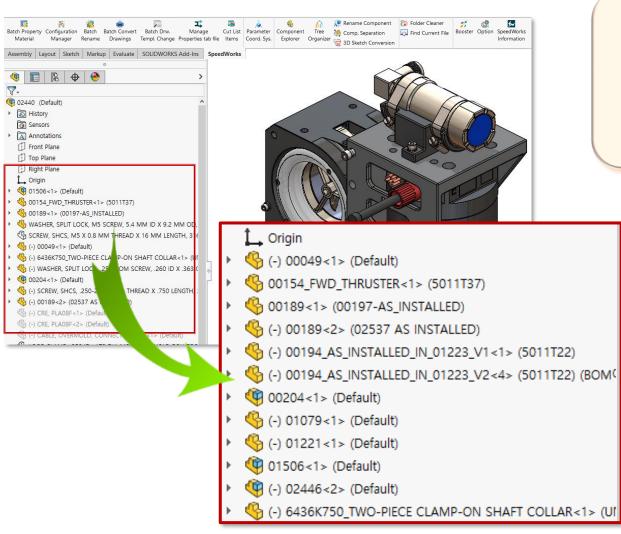
- Allows users to create the individual drawing per each component of the weldment structure.
- ✓ Makes it easier to manage reference relations by converting a beam, a gusset etc. into an individual part.





Tree Organizer (File Management)





Suppression

(-) CABLE, OVERMOLD, CONNECTOR, CRE,<1> (Default)
(-) CRE, PLA08F<1> (Default)
(-) CRE, PLA08F<2> (Default)
(-) SCREW, SHCS, .250-28 UNF-2A THREAD X .625 LENG
(-) SCREW, SHCS, M5 X 0.8 MM THREAD X 22 MM LENG
(-) WASHER, SPLIT LOCK, M5 SCREW, 5.4 MM ID X 9.2 N

Hide

SCREW, SHCS, M5 X 0.8 MM THREAD X 16 MM LENGTH

"Do you want to rearrange BOM component order?"

"Did you drag component to rearrange tree?"

"Don't you want to put ToolBox component to a folder?"

Component sort by Ascending/Descending

- ✓ Sort Ascending/Descending order based on name, volume, mass, and property
- ✓ Reduce design time by laying out tree without repetition selection moves

Batch organization into specific parts folders

- \checkmark Available to set conditions to organize folder as ToolBox, suppress, and property
- ✓ Easy to manage tree by organizing folders to specific condition

Set target based on file type

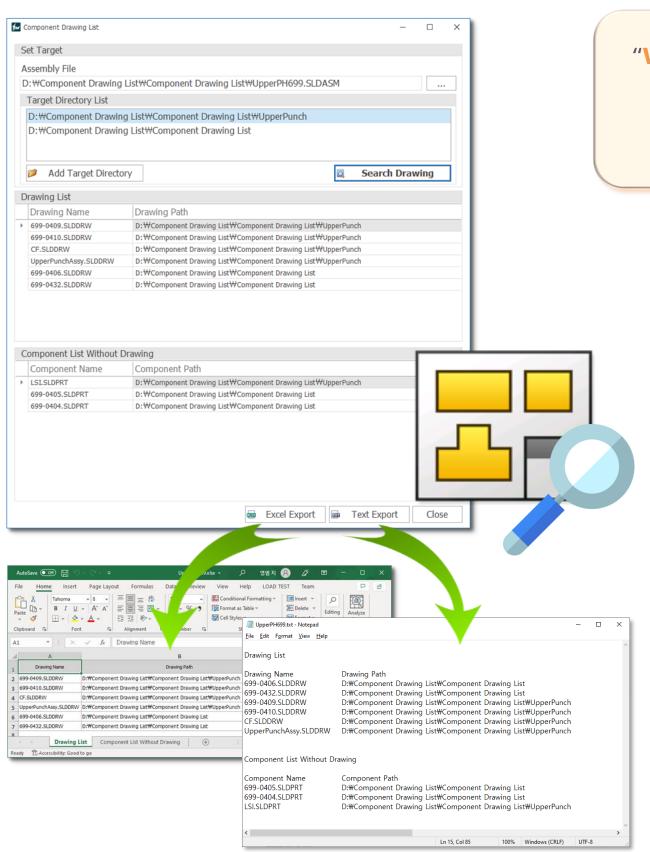
- Available to set priority based on it is Part or Assembly.
- ✓ It is possible to target based on its file type to organize by folder.





Component Drawing List (File Management)





"Want to find drawings referenced in assembly parts at once?"

"Isn't it difficult to find files for which drawings are not created among components?"

Export assembly component drawings

- ✓ It is possible to print a list of drawings of components and assemblies included in the assembly.
- ✓ Easily view a list of drawings referenced in assemblies and components

Search for list of files without drawings

- ✓ It is possible to print a components list without drawings
- ✓ Increase design convenience by classifying components

Automatic documentation of drawing search results

- ✓ Assembly components drawings and assembly drawing lists can be export to Excel and text
- √ Components list without drawings can be printed in Excel and text



Address: 199, World cup-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (409, Campus Plaza)

Tel.: +82-31-548-1521

Web.: www.solidit.co.kr

Facebook: https://www.facebook.com/SmartSOLIDIT

YouTube: https://www.youtube.com/channel/UCKwoGBwTT5NqyhHk0u-6K3Q

