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Pro/Process For Assemblies & Round Tutor
PRO/PROCESS FOR ASSEMBLIES
You’ll see how to quickly create a fully annotated assembly process plan by referencing, but never affecting, the original design assembly.

You’ll see how tools and fixtures can be added to the process plan data-base required for fabrication purposes without affecting the design BOM.

The benefits of using Pro/PROCESS for ASSEMBLIES are:

- ease-of-use
- speed
- associativity back to the design assembly
- ability to regroup design components independently from the design structure.
Unlike traditional methods, Pro/PROCESS for ASSEMBLIES uses the information already available in the design assembly such as component placement and parameter information and automatically updates the process plan when this information changes.

Furthermore, the process plan and service documentation can be created concurrently while the design assembly is still being developed - as components are added to the design assembly, they can be added to the process plan. The benefit, again, shorter time to market.

NOTE: PRO/PROCESS FOR ASSEMBLIES ALLOWS FOR MULTIPLE EXPLOSION STATES VERSUS A SINGLE ONE W/OUT THIS MODULE.
Creating a Process Plan

1. Please name the process plan accordingly i.e. <assy>_pp
Creating a Process Plan

2. Menu Manager
   - ASM PROCESS
     - Sequence
       - Component
       - Fab Unit
       - Modify
       - Simplified Rep
       - Explode State
     - Regenerate
     - Play Steps
     - Relations
     - Set Up
     - Program
     - Integrate

3. Step Library
   - Group
   - Redefine
   - Reorder
   - Insert Mode
   - Done/Return

PTC
Creating a Process Plan

4. Your assembly will come in hidden-line. Now you may select the models you want to add to the first sequence.
Your selected models will become shaded to graphically inform you of which models have/have not been added to an assembly sequence.
5. Once you hit → DONE then double-click any of the options to fill in these parameters in the dialogue box.

- **DESCRIPTION**: Input a one or two line sentence to describe this sequence

- **SIMPLFD REP**: Create/select a pre-defined simplified representation if required

- **EXPLODE STATE**: Create/select an explosion state
Explosion Position
Explosion Offset Lines
Creating a Process Plan

- VIEW: Create/specify a view for this step
Creating a Process Plan

- **TIME ESTIMATE**: Enter a time estimate in hours if req’d

- **COST ESTIMATE**: Enter a cost estimate if req’d

Repeat/redefine creation of sequences as necessary ...
Creating a Process Plan Document

1.

[Diagrams and images related to creating a process plan document]
Automatically all information that you have specified earlier fills into the table.
Creating a Process Plan Document

2. Specify the state that you would like to place onto the next sheet

3. Now add another sheet to place the steps ...

4. Add your view & balloons ...
5. You also have the ability to modify the display of newly added components for your current state as well as how you wish to represent components that were already specified in previous steps.
• Processing model AC60-550SPRS ...
• Storing a drawing also stores all of its models.
• AC60-550SPRS has been saved.
ROUND TUTOR
How to Activate The Round Tutor
Once you’ve enabled the “Round Tutor” then when you begin to create a round, an applet will fire up and guide you through the entire Round creation process.

Round Type

Now you are asked to specify the type of round feature that you would like to create: simple or advanced. Your decision depends on the complexity of the geometry to be rounded and on your need to customize the default round elements. To better understand the different round types you should be familiar with Round Sets, the differences between Simple rounds and Advanced rounds.

Simple Round

If you choose to create a simple round, you will only be able to create one round set. The round set will have a default shape and default transitions. Default round shape is “Rolling Ball” with circular cross-section.

Hint: You can always redefine the round feature and change a Simple round into Advanced Round.
To see a listing of contents, activate the CONTENTS icon.

As you will notice, each line is a hyperlink to a document for that topic.
To see a User Interface Map for Round Creation, activate the TUTOR MAP icon.

And also each step is a hyperlink w/ a more detailed description of that round type.

Refer to the next page for the entire Round Map.