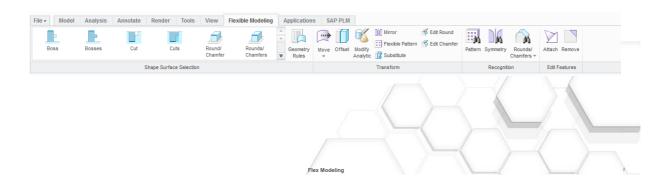


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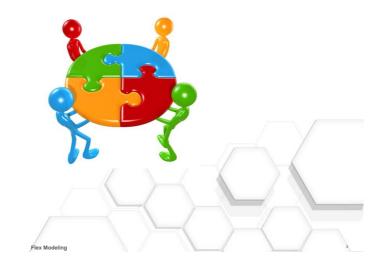
What is the PTC Creo Flex Modeling extension?

- The Flex Modeling extension is not part of core PTC Creo. (derived from Co-Create/PTC Creo Direct)
- The Flex Modeling extension allows you to edit features and geometry on the fly by utilizing an interactive, dynamic editing tool. It does not support new geometry creation.
- Allows editing without associated parent/child relationships. Preserves original design intent.



When will I use PTC Creo Flex Modeling?

- · Native and Imported Geometry
- · New Products/Iterative Development
- Old Models Difficult to manipulate
- · Collaboration with Vendors
- · Used by Lite Users

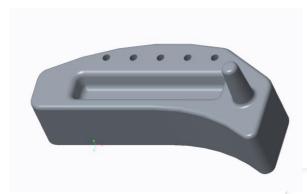


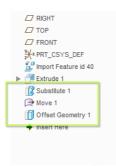
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Shape Selection – Identification/Recognition

- · Can modify bosses, cuts, rounds and chamfers as well as patterns.
- Each function will appear in the model tree as a feature.

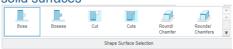




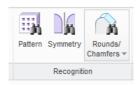
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Command Usage - Identification/Recognition

- Feature Selection Select your seed surface to gather surfaces to manipulate
- Selection feature auto updates to display geometry
- Right click options shape surfaces, tangent surfaces, or solid surfaces



 Feature Recognition – allows you to use similar geometry on the model to make changes to other, similar geometry





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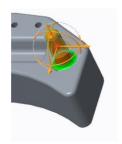
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Command Usage

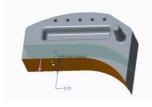
Move











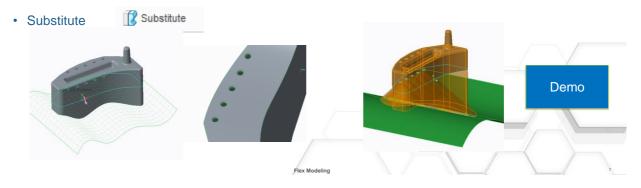


Command Usage

Modify Analytics





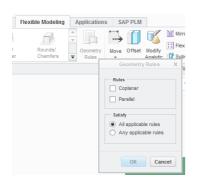


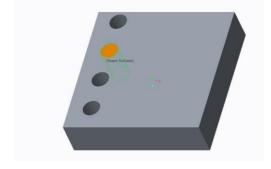
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Command Usage

- Attach/Remove
- · Geometry Rules

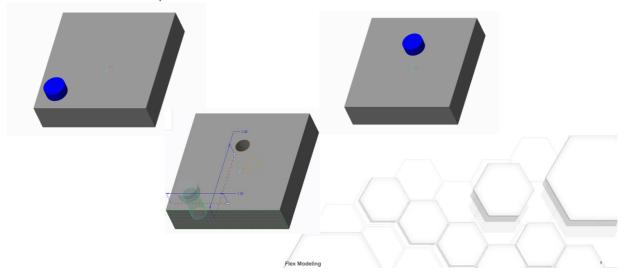






Use in an Assembly

• Parent/Child Relationships

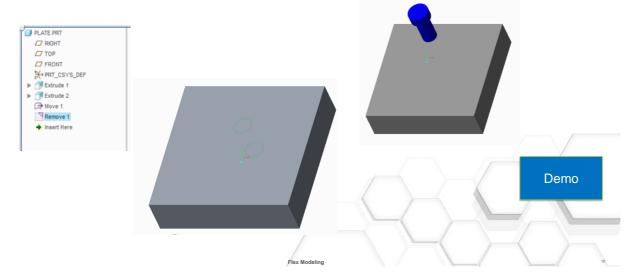


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Use in an Assembly

• Attach/Remove in assembly



Patterns/Pattern Recognition

- Pattern recognition tool allow edit option # patterns, dimensions, move, modify analytic, and offset
- Must select parent of pattern to edit



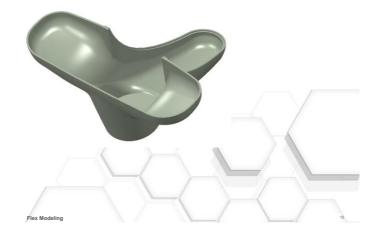
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Imported Geometry Repair

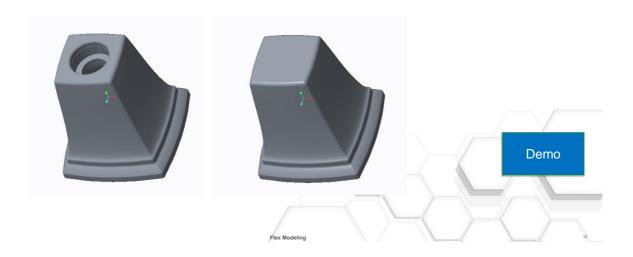
Imported geometry – needed consistent wall thickness





Benefits

• Imported Geometry – revised internal geometry



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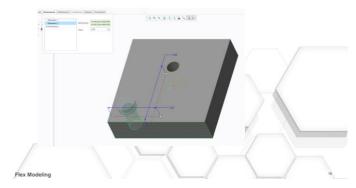
Benefits

- · When to use
- Imported Geometry
- Limitations
- Understand design intent or application for image use



Best Practices

- Use move with dimensions can use as shown dimension in drawings
- · Create your own dimensioning scheme
- Make sure "allow edit" is checked when trying to edit a pattern and select pattern parent
- · Group Flex Modeling features for easy identification in the future



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Questions



- · Your feedback is valuable
- Don't miss out on the chance to provide your feedback
- Gain a chance to win an instant prize!
- · Complete your session evaluation now

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