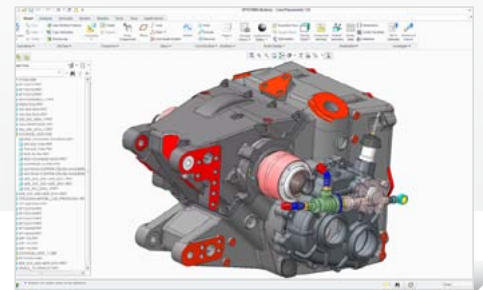# Why Update from Pro/ENGINEER®
to Creo® Parametric 2.0?

UNLOCK DESIGN PRODUCTIVITY

Creo Parametric, PTC's new 3D parametric modeling system, uses proven technologies from Pro/ENGINEER®, CoCreate®, and ProductView® plus hundreds of new capabilities to unlock design productivity. Become more efficient and productive as you develop products with Creo Parametric's integrated 3D CAD, CAID, CAM, and CAE tools – all presented with a streamlined, intuitive user experience. Creo Parametric delivers the most design flexibility, power, and speed yet. Here are just a few reasons you'll want to update:

UNRIVALED ENHANCEMENTS, ADDED CAPABILITIES

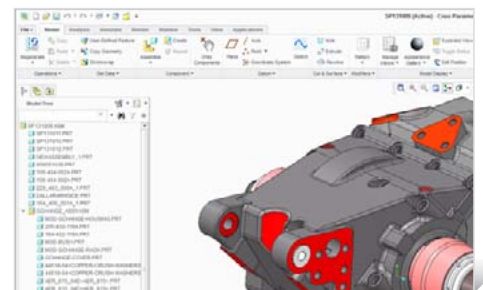### 1. Up to double the design productivity with one update

Do more with 100+ popular and most-requested enhancements and capabilities not currently found in Pro/ENGINEER Wildfire 5.0. We've added fully streamlined workflows and optimized the user interface (see reason 2 for more). And here's even more good news: when you update to Creo Parametric 2.0, you keep all your existing Pro/ENGINEER capabilities, maintain any design intent in models, and directly re-use tailored and environment settings, so updating to Creo Parametric doesn't disrupt the work you're doing today.

UNPARALLELED USER EXPERIENCE
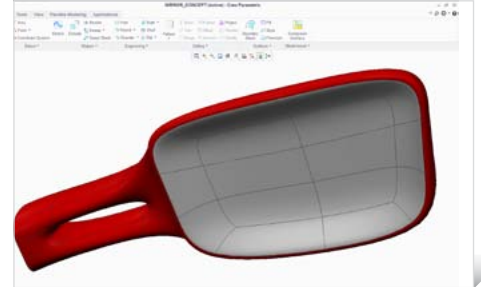
2. Leverage Industry-leading user experience

Save time with a familiar UI and command finder in Creo Parametric 2.0. The new interface looks similar to the ribbon UI you already use in Microsoft products. Consistent, streamlined workflows simplify common tasks like sketching, part modeling, assembly modeling, sheet metal, and drawings. Use our intuitive 3D Dragger, a graphics toolbar, or mini toolbars to place upfront specific tasks for your project. There's even a new embedded Command Finder when you're not sure where to go next. We've also sped up installation and included connections to the new LearningConnector, tutorials, and Help resources.

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UNBEATABLE FLEXIBILITY

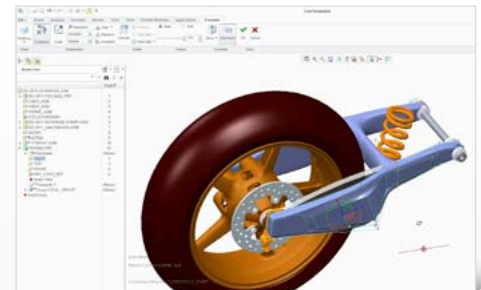### 3. Experience freedom in concept design

Quickly create freeform shapes and surfaces using the new Freestyle design features in Creo Parametric 2.0. Sub-divisional modeling capabilities help you create simple or complex shapes, yet still deliver high-quality engineering surfaces in breakthrough time. Speed concept design even more as you reuse Freestyle data for 3D detailed design.
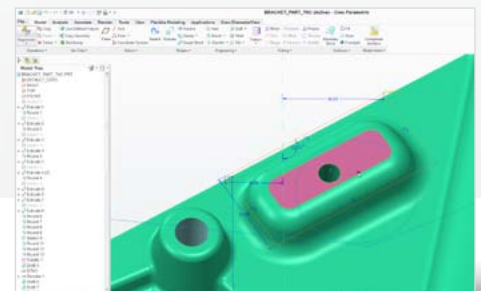

SKETCHING WITHOUT COMPROMISE

4. Easily and quickly create 3D models from 2D concepts

Create freehand 2D concept designs with Creo Sketch (a free download), and once ready, easily transfer them to Creo Parametric to accelerate your 3D design process. Directly open a sketch onto a plane and display it along with other 2D and 3D geometry. You can easily move, rotate, and even scale the concept sketch.

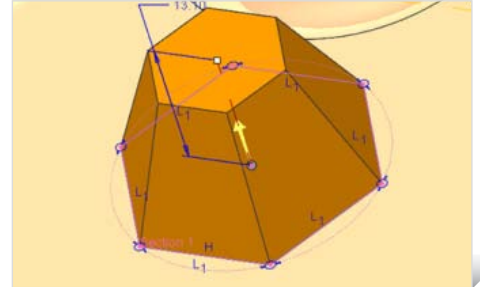

5. Fastest sketching productivity

Create and change sketch-based features with numerous core sketching enhancements. These improvements will have you sketching directly on model faces and referencing 3D objects. You'll work with streamlined interfaces for curves from equations, object action based dimensioning, tapered extrude, helical sweeps, and sweep commands. Enhanced preview, streamlined editing, and auto-regeneration updates add even more to your productivity.

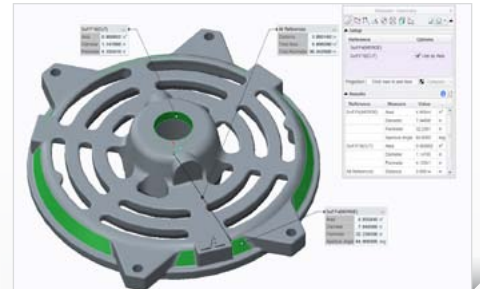## PART MODELING IMPROVEMENTS

6. Fast part modeling

Model more productively. Creo Parametric includes many core design enhancements that make it faster than ever to create 3D models. You'll notice additional options for creating parallel and rotational blends, such as sketched sections, non-parallel sections, and changing start points. Other additional improvements like tapered extrude, helical sweeps and sweep commands, enhanced preview, and streamlined editing will get you designing faster.
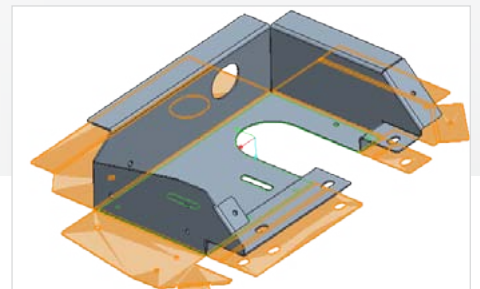

7. Streamlined 3D measuring

The state-of-the-art 3D measure tool provides an intelligent and intuitive approach that increases user efficiency. One streamlined measure tool recognizes and uses geometric information of objects selected to offer the most relevant result. Measured results can be readily used within other operations (i.e., as values) or directions.

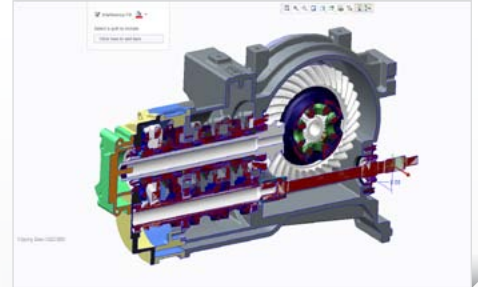## SHEET METAL PRODUCTIVITY

8. Faster sheet metal design

Enjoy the new perks of working with sheet metal. Industry-leading capabilities such as persistent flat pattern preview, streamlined workflows, and dynamic previews and editing make Creo Parametric sheet metal the leader in design efficiency. New capabilities and overhauled workflows let you add a bend between two walls, create sketch-based form features, and detect overlapping geometry in a live-flat pattern preview.

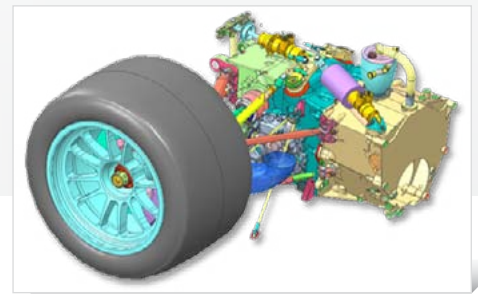## BEST-IN-CLASS ASSEMBLY PERFORMANCE

9. Fast real-time sectioning, interference detection, and resolution

Create 3D sections easier, reference existing model geometry, interactively rotate and translate sections, and directly access 3D sections through the model tree. Detect and address any issues with interfering parts when working with 3D sections. Creo Parametric performs real-time interference checking of all parts within the section and immediately color-codes any problems. You can then resolve problems directly within the 3D section.

10. Best large assembly design

Design instead of waiting, when working with massive assemblies. With the new Lightweight Graphics Representations, Creo Parametric 2.0 leverages ProductView technology to deliver a faster, smarter approach to loading and exploring data. Loading large assemblies is lightening fast at up to 40 times the previous loading speed. Plus, you can explore the assemblies interactively. Quickly restructure, reorder, and rename components in your assembly designs. You'll understand your assemblies better with quick search capabilities and the new "Track Changes" that lets you see exactly what and where changes occurred. New component placement constraints and 3D Dragger offer easier, intuitive commands to creating assemblies.

Upgrade to Creo Parametric today and start unlocking your potential.

For more information, visit www.ptc.com/product/creo/parametric or contact a PTC sales representative.