

Top Ten Reasons to Upgrade from Pro/ENGINEER® to PTC® Creo® Parametric™

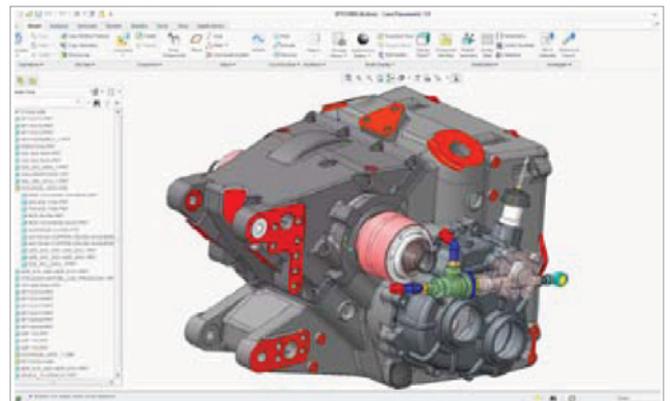
UNLOCK DESIGN PRODUCTIVITY

PTC Creo Parametric, PTC's 3D parametric modeling system, provides the broadest range of powerful yet flexible 3D CAD capabilities to help you address your most pressing design challenges. It uses proven technologies from Pro/ENGINEER, plus hundreds of new capabilities to unlock design productivity. Here are just a few reasons to upgrade your Pro/ENGINEER software to PTC Creo Parametric.

UNRIVALED ENHANCEMENTS, ADDED CAPABILITIES

1. Up to double the design productivity

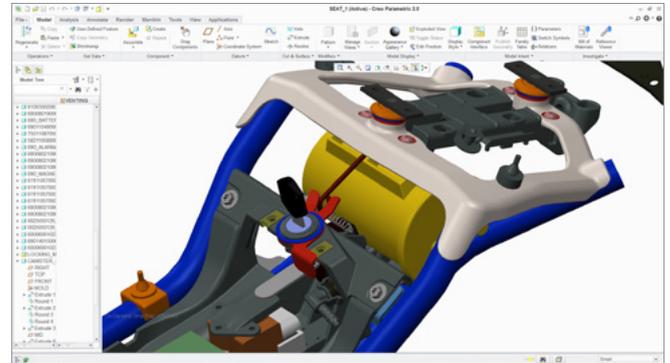
Do more with 100+ capabilities not currently found in Pro/ENGINEER Wildfire 5.0. We've added fully streamlined workflows and optimized the user interface. And here's even more good news: when you upgrade to PTC Creo Parametric, you keep all your existing Pro/ENGINEER capabilities, maintain any design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



UNPARALLELED USER EXPERIENCE

2. Leverage Industry-leading user experience

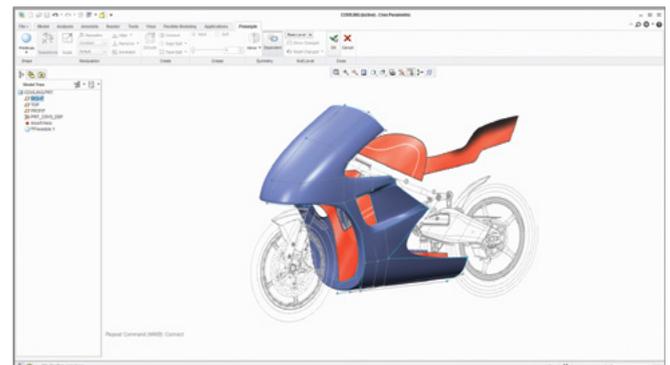
Save time with a familiar UI and command finder in PTC Creo Parametric. The new interface looks similar to the ribbon UI you already use in Microsoft products. Consistent, streamlined workflows simplify common tasks like sketching, part modeling, assembly modeling, sheet metal, and drawings. Use our 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.



UNBEATABLE FLEXIBILITY

3. Experience freedom in concept design

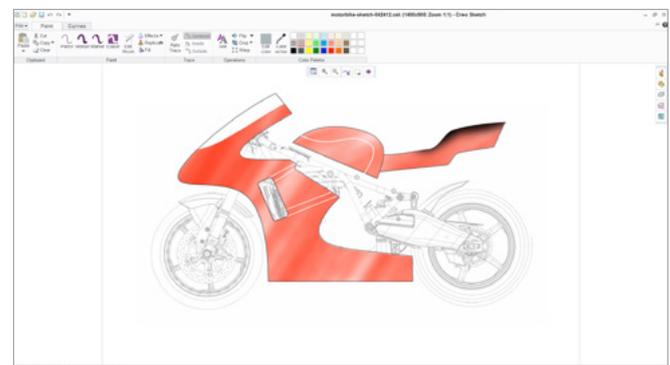
Quickly create freeform shapes and surfaces using the new Freestyle design features in PTC Creo Parametric. Sub-divisional modeling capabilities help you create simple or complex shapes, yet still deliver high-quality engineering surfaces in breakthrough time. Speed concept design even more as you reuse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



SKETCHING WITHOUT COMPROMISE

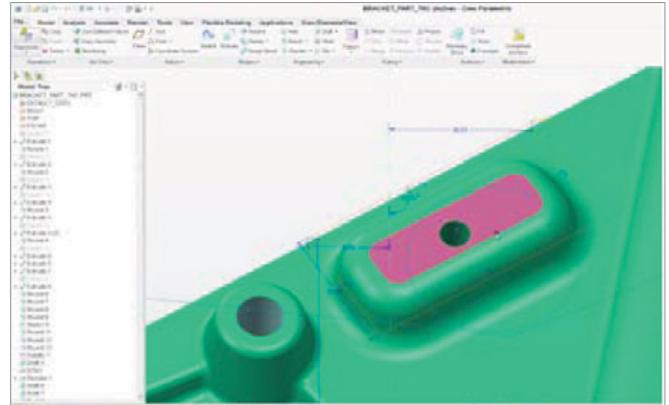
4. Easily and quickly create 3D models from 2D concepts

Create freehand 2D concept designs with PTC Creo Sketch (a free download), and once ready, easily transfer them to PTC 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

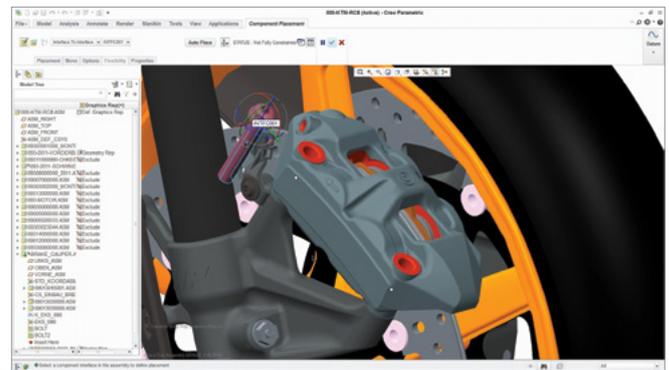
Create and change sketch-based features with numerous core sketching enhancements. These improvements will have you sketching directly on model faces and referencing 3D objects. You'll work with streamlined interfaces for curves from equations, object action based dimensioning, tapered extrude, helical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



PART MODELING IMPROVEMENTS

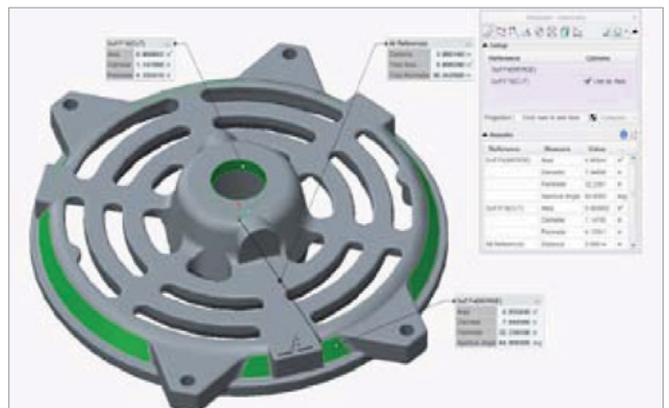
6. Fast part modeling

Model more productively. PTC 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, nonparallel 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

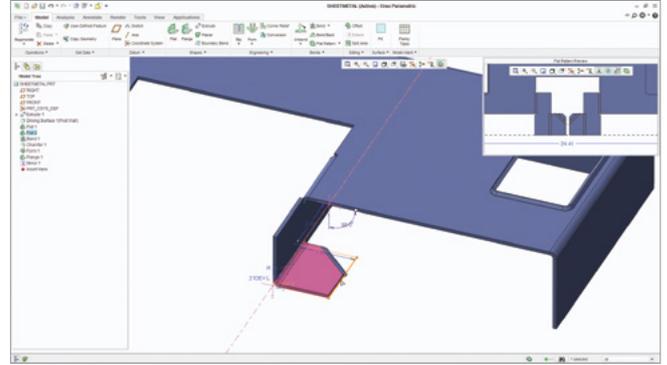
The state-of-the-art 3D measure tool provides an intelligent and intuitive approach that increases user efficiency. One streamlined measure tool recognizes and uses geometric information of objects selected to offer the most relevant result. Measured results can be readily used within other operations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



SHEET METAL PRODUCTIVITY

8. Faster sheet metal design

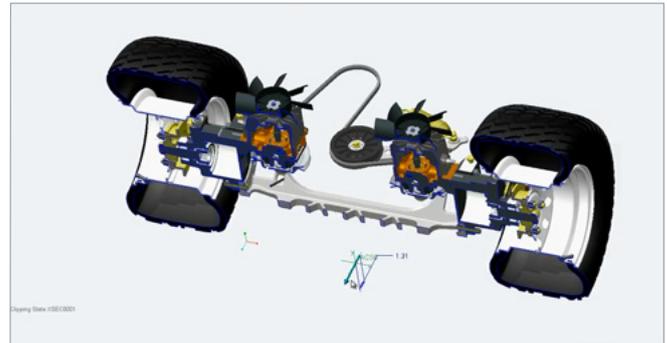
Enjoy the new perks of working with sheet metal. Industry-leading capabilities such as persistent flat pattern preview, streamlined workflows, and dynamic previews and editing make PTC Creo Parametric sheet metal the leader in design efficiency. New capabilities and overhauled workflows let you add a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



BEST-IN-CLASS ASSEMBLY PERFORMANCE

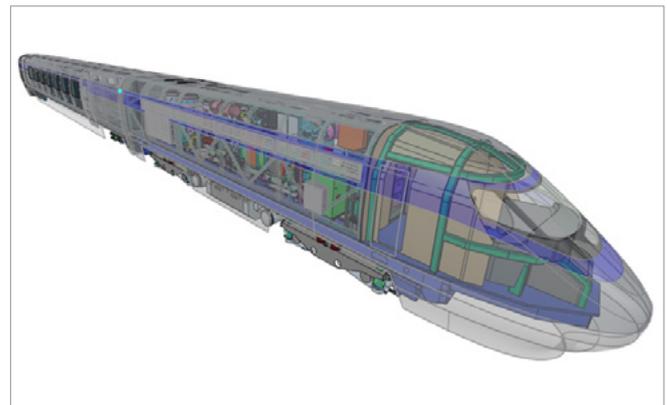
9. Fast dynamic sectioning, interference detection, and resolution

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. PTC 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, PTC Creo View MCAD™ technology to deliver a faster, smarter approach to loading and exploring data. Loading large assemblies is lightning 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.



And one more reason to upgrade to PTC Creo Parametric - PTC Creo Flexible Modeling Extension (FMX).

PTC Creo FMX gives PTC Creo Parametric users more design flexibility and speed to accommodate even the most radical late stage design changes. You no longer need to rebuild a model that can't be updated without breaking the original constraints. With PTC Creo FMX you can easily select and edit a range of geometry and features including rounds and patterns. The design intelligence is fully retained. Save time, reduce errors and frustration.

Upgrade to PTC Creo Parametric today and start unlocking your potential.

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

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