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A 3D CAD model of a complex mechanical component, possibly a turbine or engine part, rendered in a multi-colored, semi-transparent style. The model is centered in the background, set against a dark, atmospheric scene of a snowy mountain range under a cloudy sky. The lighting is dramatic, highlighting the intricate details of the component's design.

CREO DESIGN PACKAGES Explore Your Options

What are the common excuses you hear for holding onto outdated software?

“It still works. Why replace it?”

“We’re too busy.”

“You’ll burst the budget.”

“No.”

Okay, maybe the fourth one isn't an excuse, but it usually accompanies the top three.

Too bad, because product development is changing, fast. Real-time simulations lower physical prototyping costs. Augmented reality transforms the way companies conceptualize and build new products. Collaboration and integration are baked into the software itself.



If your software isn't keeping up, your company may be losing time and money.



Augmented reality is used to visualize a large assembly within a plane.

INTRODUCING CREO DESIGN PACKAGES

Keeping up with technology can be a headache—and expensive. The good news is that Creo is now available in a variety of CAD packages.

Subscribe to the package that meets your needs today. All offer Creo Parametric with the basic tools everybody needs to produce professional 3D CAD work. You'll also get the ability to turn your models into augmented reality experiences. Plus every subscription comes with premium support.

HELP CHOOSING YOUR PACKAGE

The following pages can help you choose the best package for your business. Read on to discover the most helpful capabilities for anyone in product design.

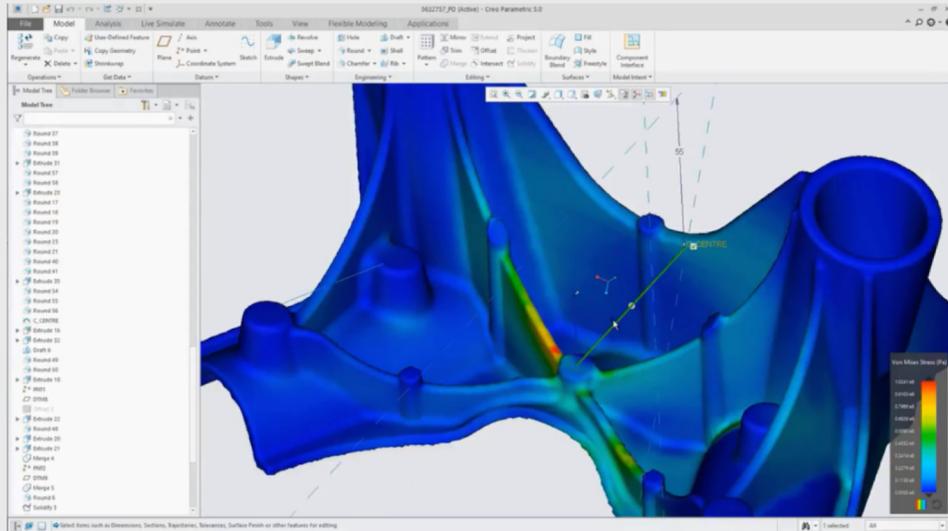
Select Your Package	Design Essentials	Design Advanced	Design Advanced Plus	Design Premium	Design Premium Plus
Industry Standard 3D CAD Capabilities	✓	✓	✓	✓	✓
Augmented Reality Design Visualization	✓	✓	✓	✓	✓
Top Down Design & Concurrent Engineering		✓	✓	✓	✓
Prismatic & Multi-surface Milling		✓	✓	✓	✓
Advanced Surfacing & Additive Manufacturing			✓	✓	✓
GD&T & Tolerance Analysis			✓	✓	✓
Mold Design & Mold Machining			✓	✓	✓
Extended Collaboration & PTC Mathcad				✓	✓
Simulation, Basic CFD & Fatigue Advisor				✓	✓
Production Machining				✓	✓
Advanced Simulation & CFD					✓
Options Modeler & Topology Optimization					✓
Metal Printing & Complete Machining					✓

[Click for comprehensive package information](#)

IS YOUR DESIGN SOFTWARE KEEPING UP?

Take an honest assessment of your environment.

1. Simulation. Can you easily simulate the forces your model will meet in the real world? Your design software should help you find flaws and correct them even before prototyping begins. Early simulation and analysis saves you from endless physical prototypes, and also reduces rework downstream. [Available in DP, DP+*.]



Creo includes tools for finite element analysis, computational fluid dynamics, and more.

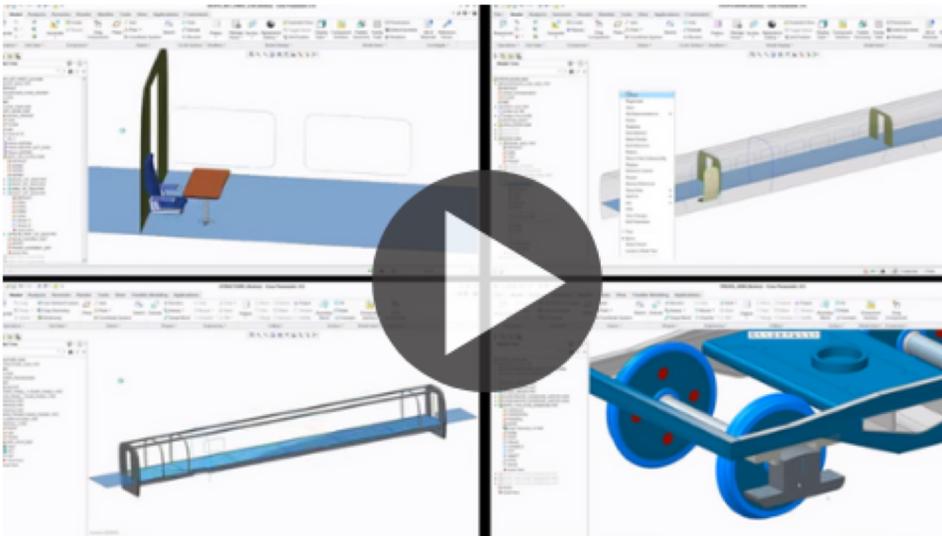


[Click video](#) to see why Harvard Business Review says “...Every Organization Needs an Augmented Reality Strategy.”

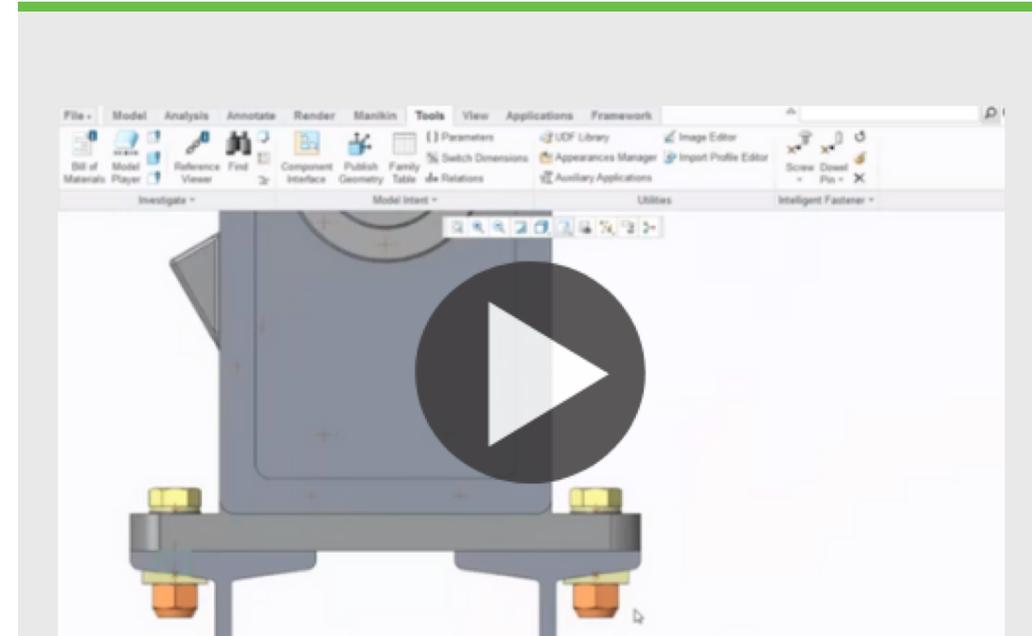
2. Augmented Reality. Can you summon a fully immersive 3D tour of your work with a single click? Augmented reality experiences should be easy to generate and share. Plus, they should be secure from unwelcome viewers. [Available in all packages.]

*Key: DE=Design Essentials, DA=Design Advanced, DA+=Design Advanced Plus, DP=Design Premium, DP+=Design Premium Plus.

3. Advanced Assembly. Are teams working concurrently to build your complex products? Top-down structures and skeletons ensure that anybody can create and modify components and subassemblies without stepping on other's work. [Available in DA, DA+, DP, DP+.]



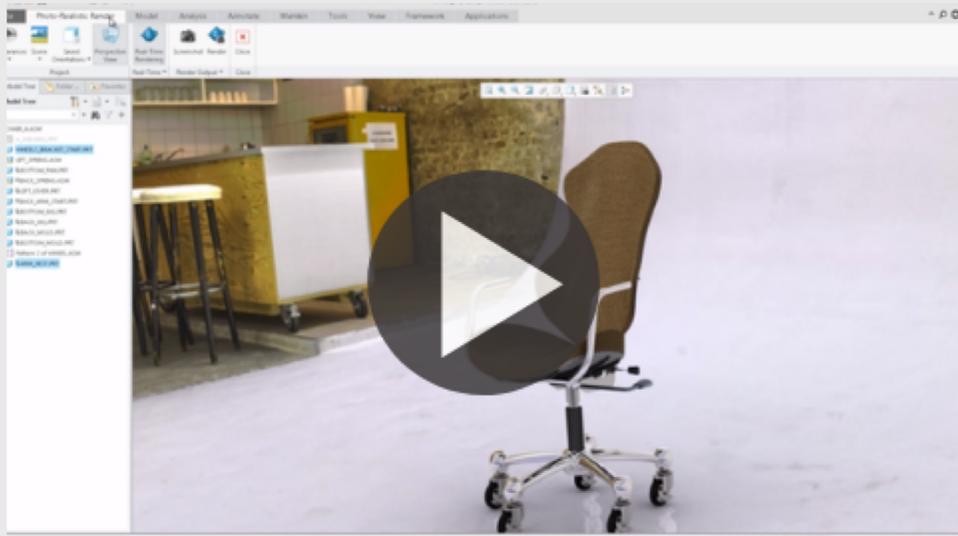
[Click video](#) to see demo.



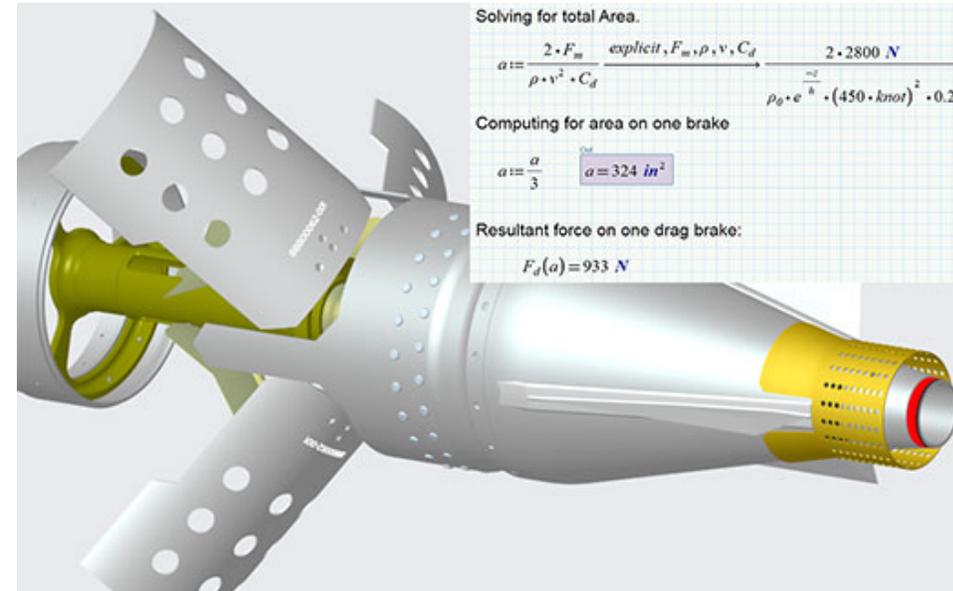
[Click video](#) to see demo.

4. Fasteners. Work with screws, nuts, bolts, washers, pins, and dowels? A library of common fasteners and automatic, intelligent tracking, and placement can help you avoid errors (and tedium) while building complex models. [Available in all packages.]

5. Rendering. Can you create photorealistic geometry? For those in consumer products, seeing a model under good lighting and in everyday settings shouldn't be an afterthought. [Available in all packages.]



Render tools add life-like materials, lighting, and backgrounds to models.



Calculations from PTC Mathcad look like they came from a text book.

6. Engineering Calculation Software. Are your calculations driving your designs and vice versa? PTC Mathcad provides a true digitized engineering notebook, tracking and communicating your calculations. Now, nobody ever has to wonder, “How did you get that number or dimension?” [Available in DP, DP+.]

A LONG-TIME CREO USER WEIGHS IN

While we think these six advances equip almost anybody to succeed in product development, we thought we better ask a long-time Creo user whether we'd missed anything. Here are his three additional picks >>



Dave Martin. Avionics engineer, CAD author, and long-time Creo user

7. Direct Modeling. I've found direct modeling fast and easy for making changes to a part, modifying imported geometry, and making changes under extreme schedule pressure. [Available in all packages.]

8. Design Exploration. The [design exploration](#) capability simplifies the process of generating multiple design concepts. Create branches in a part model or assembly - and branches on those branches. The model remains in its original state, until you commit to a branch. [Available in all packages.]

9. Primitives & Multi-Surface Milling. No STEP files necessary. In Primitives & Multi-Surface Milling, toolpaths automatically update with changes to the design model. [Available in DA, DA+, DP, DP+.]

HOW DID YOUR SOFTWARE DO?

If you've fallen behind, there's good news. The right package can provide you with more capabilities, at a lower cost, than you might think.



For more about what's in each design package, [Click playlist](#) above.

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