creo®

CREO DESIGN
PREMIUM
PLUS

design the way it should be

ptc

You deserve more in your 3D CAD package and Creo Design Premium Plus delivers. Welcome to the new industry standard, with more capabilities in every seat, out of the box. With Creo Design Premium Plus, you'll enjoy all the benefits of the Creo Design Premium package as well as additional capabilitites in advanced simulation, computational fluid dynamics, topology optimization and additive manufacturing.

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CORE 3D
CAD

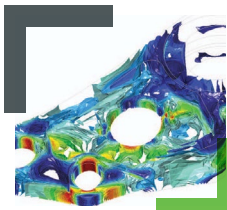## The most robust set of 3D CAD capabilities:

- 3D Part & Assembly Design
- Automatic 2D Drawing Creation
- Parametric & Freestyle Surfacing
- Assembly Management & Performance
- Sheet Metal Design

- Mechanism Design
- Plastic Part Design
- Direct Modeling (Flexible Modeling)
- Additive Manufacturing
- Augmented Reality

Creo Design Premium Plus includes all the capabilities of Creo Design Premium:

- Fatigue Advisor
- Flow Analysis
- Collaboration Extensions for CATIA V4, CATIA V5 and NX

- NC Sheetmetal
- Production Machining
- PTC Mathcad

ADDITIONAL CAPABILITIES >>>

Advanced Simulation
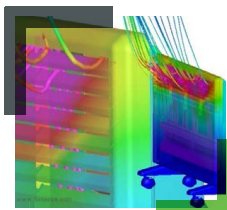*Avoid product failures to mitigate risk of warranty, service, repair and liability:*

- Materials Nonlinearity (Hyperelasticity and Plasticity)
- Isotopic and Composite Materials
- Dynamic and Prestress Analysis

Complete Machining
Comprehensive capabilities to support advanced NC machining strategies:
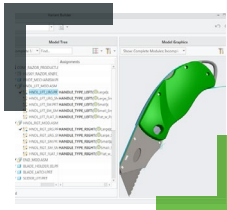
- Includes production machining capabilities in previous pacakges
- 2.5- to 5-axis Milling (Adv. machining strategies)
- Support for Mill-Turn and live tooling and multi-task machines synchronization

Flow Analysis Plus
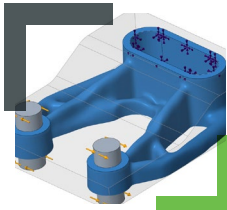*Advanced computational fluid dynamics (CFD) capabilities for product designers and analysts:*

- Includes flow analysis capabilities of previous packages
- Use Multiphase Analysis to simulate gas and liquid together
- Utilize Dynamics Analysis to simulate fluids and solids interaction

Options Modeler
Create and validate 3D modular products:

- Interface-based virtual configurable product design

- Unify platform options rules with virtual modeling

- Instantly create virtual product configurations by selecting options

Generative Topology Optimization
Generate designs to meet specific design criteria, goals and objectives:

- Constraint and load definition

- Integrated simulation and analysis driven design

- Faceted results are automatically converted to manufacturable geometry

Additive Manufacturing Plus
Connect to 3D metal printers and automatically generate 3D metal support structures:

- Includes lattice structure creation and optimization capabilities of previous packages

- 3D metal printer connectivity

- Generate and customize metal support structures

BENEFITS OF SUBSCRIPTION
(Included in every Creo Design Package):

STANDARD ELEARNING LIBRARY:
Stop searching for answers. Over 140 hours of training are now at your fingertips.

EXTENDED LICENSE BORROWING:
Working remotely just got easier. Borrow floating licenses for up to 180 days - 150 days more than perpetual.

HOME USE LICENSE:
Leave the laptop at work. Every package now includes a home use license of your Creo Design package.

PERFORMANCE ADVISOR:
The Creo Performance Advisor provides a dashboard for your entire Creo installation, allowing you to understand and optimize the performance of your entire Creo environment.

>>> THE CREO ADVANTAGE

Creo is the 3D CAD solution that helps you accelerate product innovation so you can build better products faster. Easy-to-learn Creo seamlessly takes you from the earliest phases of product design to manufacturing and beyond. You can combine powerful, proven functionality with new technologies such as generative design, augmented reality, real-time simulation, additive manufacturing and the IoT, to iterate faster, reduce costs and improve product quality.   The world of product development moves quickly, and only Creo delivers the transformative tools you need to build competitive advantage and gain market share.

Please visit the PTC support page for the most up-to-date platform support and system requirements.

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