



# CREO DESIGN PREMIUM



**design** the way it should be



You deserve more in your 3D CAD package. Welcome to the new industry standard, with more capabilities in every seat out of the box. With Creo Design Premium, you'll enjoy all the benefits of the Creo Design Advanced Professional package as well as additional capabilities in fatigue analysis, computational fluid dynamics, collaboration, sheetmetal and production machining.





# 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

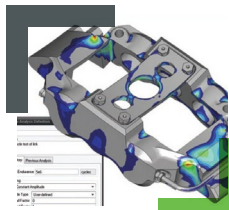




## Creo Design Premium includes all the capabilities of Creo Design Advanced Professional:

- Interactive Surface Design
- Behavioral Modeling
- Mechanism Dynamics
- Additive Manufacturing
- Expert Moldbase
- GD&T Advisor
- Layout
- High Speed Milling Advanced
- Tolerance Analysis
- Tool Design

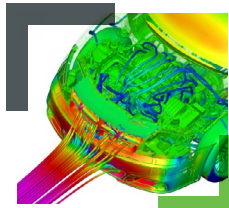
### ADDITIONAL CAPABILITIES >>>



#### Fatigue Advisor

*Estimate the number of load cycles your model can sustain before failure. Includes all the features of Creo Simulate and the following:*

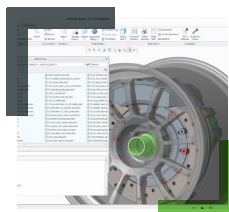
- Formulation
- Results
- Material Library
- Design Studies
- Load History



#### Flow Analysis

*A complete computational fluid dynamics (CFD) solution for product designers and analysts:*

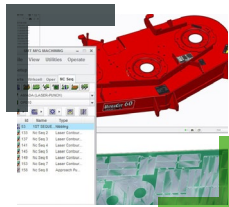
- Calculate internal and external flows
- Simulate flow
- Animate flow results in real-time
- Heat transfer
- Parallel processing simulation
- Turbulence



## Collaboration Extensions for CATIA V4, CATIA V5 and NX

*Improve productivity in multi-CAD environments:*

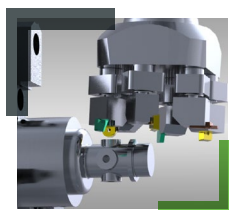
- Import data from other CAD systems into full Creo data
- Open and work with non-native data without any conversion effort
- Ensure changes on imported or opened data are handled seamlessly
- Exchange Creo models in common CAD formats with presence of licenses from these software systems



## NC Sheetmetal

*Use materials efficiently and optimize design for manufacturing:*

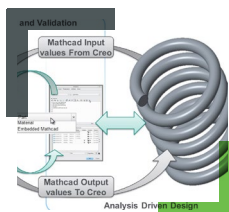
- Automatically create and optimize toolpaths using standard and form tools
- Smart auto-nesting for utilization of maximum sheet area, reduction of scrap and material costs, and shortened lead times



## Production Machining

*Includes all capabilities of Prismatic & Multi-Surface Milling along with:*

- 4-Axis Turning
- 4-Axis Wire EDM



## PTC Mathcad

*Perform, analyze, and share your most vital calculations:*

- Conduct complex engineering calculations to validate your designs
- Comprehensive unit support for numeric and symbolic calculations, functions, solve blocks, tables, vectors/matrices, and plots
- Lock content to prevent viewing and hide proprietary information

# 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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