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CREO DESIGN ENGINEERING

680I

ACTIVE RECORD
USER CONTROL

EXPORTING OUTPUT

...LAY DATA

VIEW DATA INFORMATION

IDENTIFICATION

21   36   67   98

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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 Engineering, you'll enjoy all the benefits of the Creo Design Advanced Professional package as well as additional capabilities in fatigue analysis, product insight, collaboration, sheetmetal and production machining.

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CORE 3D CAD

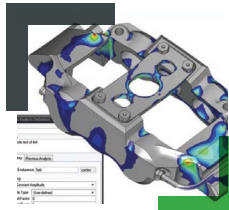## The most robust set of 3D CAD capabilities:

- 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
- Model-Based Definition
- Multi-Body Design

Creo Design Engineering 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
- Material Library
- Load History

- Results
- Design Studies
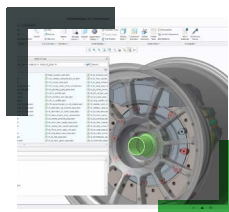
Interface for JT
Enhance interoperability:

- Export JT files through your native CAD system and import it into your product data management (PDM) systems.

Product Insight
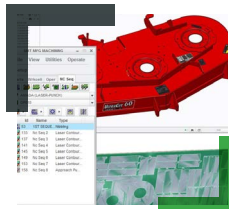*Collect real-world product data and integrate back into your CAD design:*

- Design digital sensors in the CAD model and connect them to data streams from physical products.

- Integrate directly with ThingWorx, the world's leading industrial IoT platform.

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Collaboration Extensions for CATIA V4, CATIA V5 and NX
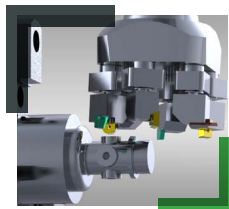*Improve productivity in multi-CAD environments:*

- 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

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

ACCESS TO LEARNING CONNECTOR
Learning Connector gives you access to a comprehensive set of tutorials and playlists, for in-context, bite-size training. Tutorials and playlists are self-paced and available on-demand.

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 to build better products faster. Easy-to-learn Creo uses a model-based approach to seamlessly take you from the earliest phases of product design to manufacturing and beyond. Combining powerful, proven functionality with new technologies including generative design, real-time simulation, advanced manufacturing, IIoT and augmented reality, Creo helps you iterate faster, reduce costs and improve product quality. Creo is also available as a SaaS product, providing innovative cloud-based tools for real-time collaboration and streamlined license management and deployment. 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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