50% OFF PROMOTION

>>> MAKE THE MOST OF CREO

RECEIVE 50% OFF* SELECT EXTENSIONS
when you buy a seat of any Creo Design package

>>> DESIGN

Creo Advanced Assembly Extension

Facilitate and support your concurrent design and development:

- Data Sharing and Distribution
- Reference Control
- Change Propagation

Creo Interactive Surface Design Extension

Combine the power of parametric modeling and flexibility of freeform surfacing:

- Combined freeform and technical surfacing in a single environment
- Focus on design aesthetics and shape rather than constraints and parameters
- Design precise curves and surfaces to achieve highly-engineered, manufacturable products

Creo Collaboration Extension for CATIA V5

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

>>> SIMULATION & ANALYSIS

Creo Behavioral Modeling Extension

Optimize geometry to solve for design goals and engineering criteria:

- Automatically solve for design goals
- Create smart models that adapt to change
- Define and track custom measures

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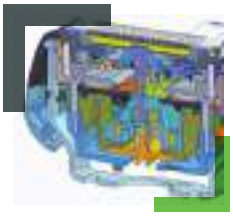
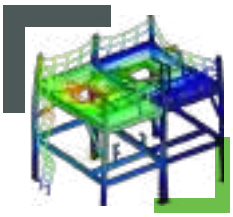


Creo Tolerance Analysis Extension

Analyze and understand geometric tolerance stack-up and dimensional variation:

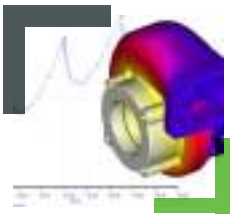
- Evaluate the impact of tolerances on the manufacturability of designs
- Identify critical dimensions that contribute to the measure variation
- Automatically generate HTML reports



Creo Simulation Extension

Finite element and steady state analysis for parts and assemblies:

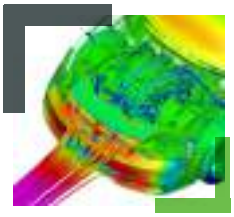
- Modal & buckling analysis
- Static structural analysis
- Steady state thermal analysis
- Finite element modeling idealizations
- Design optimization
- Automatic meshing
- Contact analysis
- Results display & reporting



Creo Advanced Simulation Extension

Includes all capabilities of Creo Simulation Extension along with:

- Advanced finite element idealizations
- Nonlinear materials & large deformation
- Dynamic and pre-stress analysis
- Transient and nonlinear thermal analysis



Creo Flow Analysis Extension

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

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

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Creo Mechanism Dynamics Extension

Analyze and optimize the dynamic performance of mechanism designs:

- Model real-world force, loads and contact types
- Analyze mechanism behavior and reactionary forces
- Seamlessly transfer reaction, gravity and inertial loads to Creo Simulate (Structural Analysis)

Creo Mold Analysis Extension

Create high-quality injection-molded parts:

- Identify potential mold filling problems
- Improve design quality, reduce manufacturing cycle times and rework of molds
- Easily usable by a non-specialist without extensive knowledge of plastic analysis

>>> COMPUTER-AIDED MANUFACTURING

Creo Prismatic and Multi-Surfaces Milling Extension

Achieve the highest quality, highest precision machining in the fastest time possible:

- Multi-Surface 3-axis milling with 4- and 5-axis positioning
- High speed machining (for rapid prototyping and manufacturing)
- Automatic change propagation and associative update of NC toolpaths

Creo Production Machining Extension

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

- 4-Axis Turning
- 4-Axis Wire EDM

Creo Complete Machining Extension

Comprehensive capabilities to support advanced NC machining strategies:

- Includes production machining capabilities in previous packages
- 2.5- to 5-axis Milling (Adv. machining strategies)
- Support for Mill-Turn and live tooling and multi-task machines synchronization

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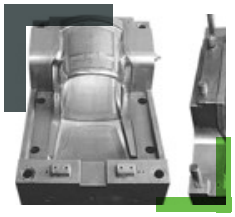
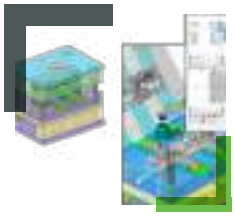


Creo Tool Design Extension

Accelerate the design of high-quality production mold and cast tooling:

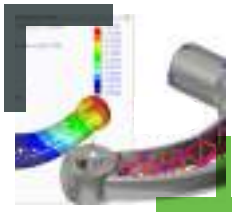
- Easy to use process driven UI for Mold and Cast design
- Automated creation of parting line and parting surface geometry
- Associative design and tooling updates



Creo Expert Moldbase Extension

Automate manual, time-consuming tasks to speed the creation of moldbase tooling:

- 2D process-driven workflow for moldbase design and detailing
- Customizable "smart" mold component library
- Automatic ejector pin, waterline, and fittings functions, automatic runners and waterline checks



Creo Additive Manufacturing Extension

Create and optimize lattice structures and define printer tray setup:

- Automated creation of 2.5D and 3D lattice structures
- Seamless analysis and optimization of lattice
- Printer tray setup and nesting optimization

>>> THE CREO ADVANTAGE:

Creo is a 3D CAD solution that helps you build better products faster by accelerating product innovation, reusing the best of your design and replacing assumptions with facts. Go from the earliest phases of product design to a smart, connected product with Creo. And with augmented reality in each seat of Creo, everyone can easily visualize your designs. In the fast-changing world of the Industrial IoT, no other company can get you to substantial value as quickly and effectively as PTC.

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

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