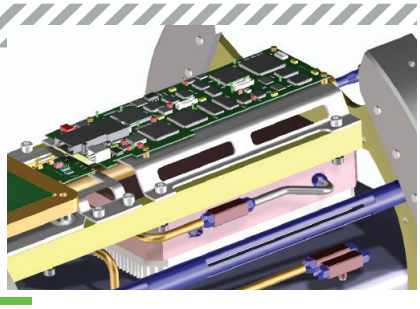
Creo Elements/Direct Modeling

Creo Elements/Direct Modeling is a comprehensive system for mechanical engineers and designers who create products using the 'direct modeling' approach to 3D CAD. It includes the market's most comprehensive direct modeling capabilities, as well as a full range of extensions. You, or anyone on your team, can pick up and work on a direct 3D product design with minimal ramp-up time. And you can easily incorporate multi-CAD data from partners or suppliers and then go on to quickly produce a digital prototype or proposal.

Comprehensive Set of Direct Modeling Capabilities:

- Shave time off design cycles by repurposing or radically transforming existing designs
- Rapidly iterate product designs to unlock opportunities for better products
- Accommodate major, unexpected design changes at any stage thus keeping the transition to manufacturing on schedule
- Increase engineering productivity by eliminating bottlenecks and delays via flexible design teams
- Leverage multi-source CAD data in the design process
- Move from 2D to 3D easily and/or switch from other 3D CAD systems
- Accelerate product development by taking advantage of integrations with other Creo and PTC products for advanced CAE, CAM, Augmented Reality, enterprise-wide visualization and technical illustration.



Creo Elements/Direct 3D Access:

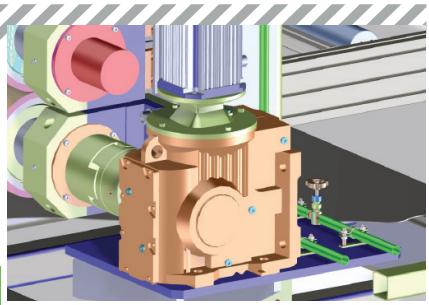
A CAD viewer for sharing 2D and 3D product design concepts across the organization and the supply chain

Creo Elements/Direct Advanced Design:

A set of five integrated Creo Elements/Direct Modeling modules that work together to resolve potential manufacturing issues in your digital prototype

Creo AR Design Share:

You can view and share designs, securely collaborate with colleagues, customers, suppliers and stakeholders across the enterprise, and access your designs anywhere, anytime



Creo Elements/Direct Cabling:

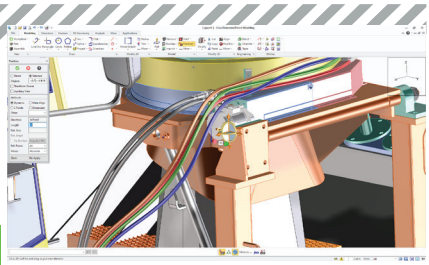
Creates cables, harnesses, and bill-of-materials documentation, including drawings for electrical cables, harness routes, and nail boards

Creo Elements/Direct Finite Element Analysis:

A powerful Finite Element Analysis (FEA) tool for quickly analyzing your product's performance under real-world design conditions

Creo Elements/Direct Mold Base:

Helps with the tedious task of creating mold plates and components by way of its highly interactive and intelligent tooling



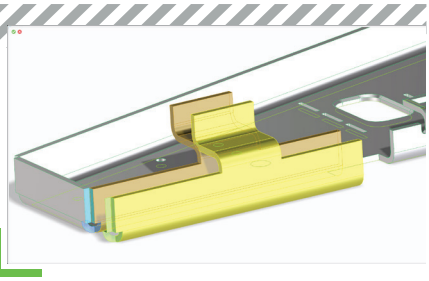
Creo Elements/Direct Part Library:

A library of over 173,000 ANSI, DIN, ISO and JIS components, such as bolts, washers, nuts and miscellaneous hardware

Creo Elements/Direct Sheet Metal:

Extends the 3D CAD power of Creo Elements/Direct Modeling by giving you fast, flexible 3D design and data management capabilities

Creo Elements/Direct Surfacing:



Gives you powerful and robust surfacing capabilities to create stylized surfaces and design freeform shapes

Creo Parametric/Advanced Simulation Extension:

A set of advanced capabilities which enables you to study in greater depth how advanced, nonlinear effects could influence the performance of your products in development

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