

# Creo® Elements/Direct Drafting

Creo Elements/Direct Drafting is a comprehensive 2D CAD system which meets the needs of both product designers and mechanical engineers. This software suite consists of Creo Elements Direct Drafting and extensions: a viewer, Creo Elements/Direct 2D Access; and a data management tool, Creo Elements/Direct Drawing Manager.

## The most robust set of 2D CAD capabilities:

### Concurrent layout design

- Uses innovative part and assembly structure that matches how engineers design and manufacture products
- Automates development processes and can be customized
- Provides easy migration path to Creo Elements /Direct Modeling
- Provides strong multi-CAD collaboration capabilities
- Has powerful assembly management capabilities with a clear parts, assembly, and sub-assembly structure.

### 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.

### Creo Elements/Direct 2D Access

Read and inspect 2D drawings—even without the authoring 2D CAD system or even CAD expertise

- Quickly view, inspect, share, and print high-quality 2D CAD design data created with Creo Elements/Direct Modeling, Creo Elements/Direct Drafting, and a broad range of neutral 2D and 3D CAD formats including Autodesk DWG and DXF
- Load precise drawings in read-only mode from any 2D CAD system through standard interfaces for MI, DXF, DWG, HPGL and various image formats.
- Customize the user interface based on end user needs and preferences
- Provide real-time, seamless product data management when integrated with Creo Elements/Direct Drawing Manager

### Creo Elements/Direct Drawing Manager

Eliminates the need for manual design data management.

- Add new users and easily assign permissions using predefined or specially configured groups to provide product managers and non-engineering departments with controlled access to the latest product design data and BOM (bill of materials) reports
- Create, manage, modify and export bill-of-materials (BOM) from Creo Elements/Direct Drawing Manager (requires the add-on Creo Elements/Direct BOM Editor)

- Eliminate the time and expense of manual data management processes
- Ensure design integrity and work with up-to-date revisions of design data across the development team with safeguards against accidental data loss
- Provide high-performance local access and global data consistency to multi-site companies
- Reuse shared parts and assemblies across product platforms and multiple product configurations with Search and Where Used functionality to cut engineering time and drive manufacturing costs down

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