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.

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

403099_CreoElements_Direct_Drafting_DS_0224

ptc.com