

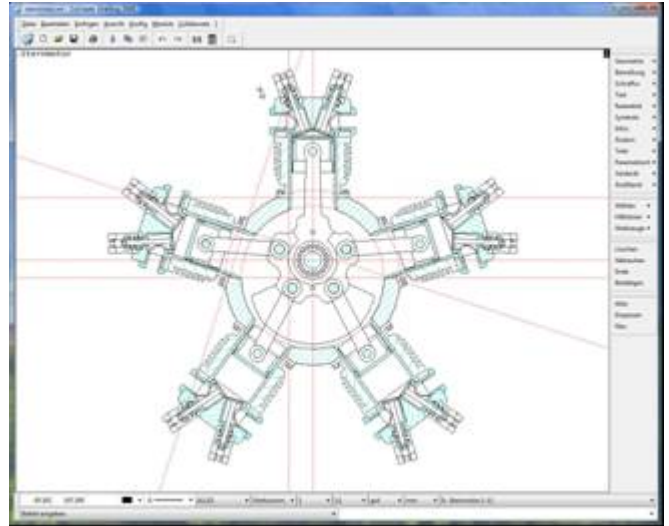
CoCreate® Drafting

A complete 2D CAD system built on an innovative part and assembly structure

CoCreate Drafting offers comprehensive 2D CAD capabilities that can help you optimize your mechanical design processes.

The "part and assembly" concept in CoCreate Drafting simplifies the design and modification of assemblies with a clear parts, assembly, and sub-assembly structure. CoCreate Drafting supports sharing, so you can use several instances of the same part or assembly throughout a drawing. The Parts Browser helps you visualize and manage even the most complex assembly structures. And all design activities, such as defining sub-assemblies, creating instances, and renaming, can be done directly in the browser. Designers can even define multiple drawing scales to handle assemblies with exceptionally large and small parts.

The CoCreate Drafting design capabilities provide a powerful and interactive way to adapt existing drawings and create families of parts or drawings. Designers can drive the most complex design modifications by simply changing a dimension. Designers can also parameterize drawings and specify design rules at any stage in the design process.



CoCreate Drafting is a complete 2D CAD system tuned to the specialized needs of mechanical engineers and designers

Key Benefits

- CoCreate Drafting satisfies the 2D needs of designers and mechanical engineers in product development. This focus brings big rewards
- CoCreate Drafting uses an innovative part and assembly structure that matches how engineers design and manufacture products – making 2D product development fast and easy
- This flexible 2D CAD solution automates development processes, and it is customizable and programmable so it can be tailored to fit company-specific needs
- CoCreate Drafting offers an easy migration path to CoCreate Modeling, the industry's #1 explicit 3D modeling software

Features and Specifications

Design and Drafting

- CoPilot-driven geometry helps accomplish most drawing tasks without menus
- Advanced modification methods. Includes unlimited undo and redo
- Advanced selection techniques. For example, use and, or, equal, or all entities to choose drawing elements
- Multiple drawing handling. Merge parts of several drawings into one large-assembly drawing
- “Parts and assembly” concept. Keep track of design and modification of assemblies using a clear parts, assembly, and subassembly structure. Includes unlimited undo and redo
- Sharing. Create several instances of the same part or assembly for use throughout the drawing
- Parts Browser. See and manage complex assembly structures. Plus, define subassemblies, create instances, and rename directly in the Parts Browser
- Global language support based on Unicode standard. Now use multiple languages to annotate drawings. Even Chinese and Japanese can co-exist on the same page

Dimensioning

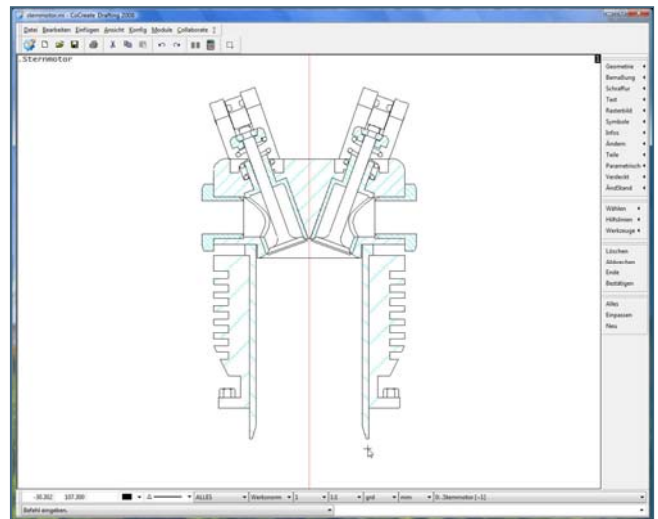
- Preset dimension styles. Automatically create dimensions according to international standards like ISO, DIN, JIS, and ANSI
- Group dimensions. Intelligently create, modify, and reposition groups of dimensions. Includes unlimited undo and redo
- Automatic interference recognition. The system automatically repositions when dimensions interfere with other objects
- Adaptable styles. Create dimensions based on your preferences
- Frequently used features. Store, e.g., screws with dimension patterns
- Automatic recognition of topology matches. Automatically dimension stored features and dimensions

Manage 2D Drawings

- Revision Checker. Automatically highlight design changes and note differences between drawings from one revision to the next
- File Browser. Easily view thumbnails and file history

Data Exchange

- Standard data interface for DWG, DXF, VRML, and IGES
- Batch- or single-mode translation
- Pixel image import on drawings; resize, rotate, erase, copy, or paste
- HPGL, HPGL II (and RTL extensions), PDF or Postscript export
- High resolution output as TIFF, JPG, PNG, or BMP file



CoCreate Drafting is a complete solution, fully supporting the 2D product development process and providing easy connections and migration into 3D product development

Customization

- Complete command macro language. Customize to meet your specific needs. Includes structured programming, on-line editing and debugging, user interface customization, and attribute handling

Additional Modules

- CoCreate Drawing Manager. Organize, track and manage design data
- CoCreate 2D Access. For non-designers who work with 2D drawings
- CoCreate BOM Editor

System Requirements

CoCreate Drafting supported operating systems:

- Windows Vista™ 32-bit and 64-bit Editions of Ultimate, Enterprise, and Business
- Windows® XP™ Professional 32-bit and 64-bit Editions

For more information, visit www.ptc.com/products/cocreate