PRODUCT SHEET

OrthoGen for Forte 3DWorx

2D plans, sections and elevation drawings



Key Benefits
Integrated with BricsCAD and AutoCAD
Operates on native viewports and xRefs
Delivered with 40 pre-defined view styles
Easy repositioning and rotating of labels
Support for Dimension Elements
Automatic column grid references
Fast, high resolution, white space search algorithms

OrthoGen for Forte 3DWorx enables 2D plans, sections, and elevations drawings to be created automatically from Forte 3DWorx 3D models. Even in today's 3D world, annotated and dimensioned orthographic drawings are still a required deliverable. OrthoGen reduces this process from hours to only minutes.

Integrated with BricsCAD and AutoCAD

The OrthoGen integrated drawing interface quickly reads properties directly from Forte 3DWorx model files. Because OrthoGen can operate within the BricsCAD and AutoCAD environments, users can auto-annotate and conduct other 2D embellishments through viewports. OrthoGen also integrates well with existing user developed Forte 3DWorx commands, details, standards, and block libraries.

Multiple Viewports and xRefs

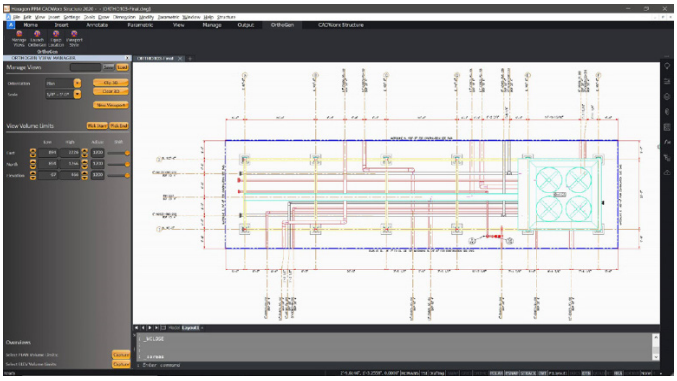
OrthoGen enables the use of multiple viewports and utilizes data from xRefs up to three levels deep. Because of this flexibility, users can create drawings representing multiple scales and views. Orthogen is also tightly integrates into the AutoCAD environment and supports the AutoCAD User Coordinate Systems (UCS).

Flexible settings and standards creation

The user interface enables users to select from thousands of option combinations. These combinations can be saved as drawings styles for future individual or group use. In addition, the production mode interface provides easy enforcement of project standards. To ensure user productivity, OrthoGen comes with 40 predefined and editable drawing styles, so users can be up and running in no time.

Easy label repositioning and modification

When using OrthoGen in the Forte 3DWorx environment, you can take advantage of basic BricsCAD and AutoCAD commands to move and rotate labels. These edits are preserved when running updates on the drawing, eliminating unnecessary rework. Users can also add additional dimensions, hatching, notes, details and more.



Automatic column grid references

Creating a single grid model helps to coordinate and automate the placement of grid labels for all drawings on a project. Grid models provide a firm dimensional base that helps eliminate guesswork and the introduction of of errors.

Annotations where you want them

The fast, high-resolution, white-space search algorithms enable you to generate orthographic representations that will automatically avoid areas that you do not wish for dimensions or annotations to appear. Commands also help define dimension “edges” on the drawings.

Technical specifications

- AutoCAD-compatible
- BricsCAD-compatible (Recommended)

Application areas

Process and Plant Design, Piping, Equipment, Steelwork, Petrochemical, Chemical, Power, Offshore, Food, Beverage, Brewing, Pharmaceutical, Water Treatment, Building Services, Shipbuilding, and Architectural.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we’ve partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what’s possible from day one onward.

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