Trimble PipeDesigner 3D

We’ve been in your shoes and we know what it’s like to try to design mechanical, piping and plumbing systems in a software that doesn’t know the business or have intelligence around assemblies, routing paths, slopes and more. Trimble® PipeDesigner 3D® is designed to make that process easier, working the way you do. The solution incorporates advanced features including intelligent data editing, automatic layering and smart toolsets to quickly populate 3D models and drive standardization. To further support a more efficient drawing creation, PipeDesigner 3D includes an extensive database with over 36,000 items with representation from 34 manufacturers. PipeDesigner 3D is the single detailing solution for the mechanical contractor familiar with the AutoCAD platform.

Intuitive & Efficient

PipeDesigner 3D’s deep integration with AutoCAD, automates the platform that you are already familiar with and reduces your learning curve. With features like our Enhanced Compass, Hanger Block Insertion tool, and Auto Routing tool life is just a little bit easier. Imagine being able to easily apply custom and standard slopes when drawing a sloped system, with PipeDesigner 3D this is a reality.

Key Features:

- **Enhanced Compass:** Get your pipe into the exact spot you want with our patent pending compass, placing pipe in 5, 15, 45, or 90 degree increment placements OR type in a rotation angle.

- **Hanger Block Insertion:** This tool allows you to use custom hanger blocks and will quickly place the blocks at hanger point locations along the pipe run.

- **Automatic Layering:** By managing the layer setup within the Data Editor, the fittings, welds, insulation, text, etc. are displayed onto the proper layer which minimizes the time managing such items and ensures company and project standardization within the modeling process.

- **Auto Routing:** Use the router line to create a single line route for horizontal, vertical or sloped systems, our software will fill the router line with your current spec combined with correct sizing to generate 3D pipe and fittings. Easily reroute to change pipe to a different spec or copy the route and fill each line with a different spec for rack piping systems.

The automatic flanges tool uses Connection rules and spec driven set up Add many of the components you need Without the extra steps

The spool manager tool allows users To easily define and create spools using Specific naming sequencers, templates And bom settings
Data Editing
Data Editor is an easy to use tool for database management, used to manage fittings, build pipe specs, generate insulation schedules, setup layering standards and spool standards. With this tool, PipeDesigner 3D allows the CAD manager to quickly implement standards throughout the CAD department ensuring model consistency and accuracy.

Field Preparation
Great design shouldn’t be lost in the field, PipeDesigner 3D allows the detailer to prep data for the field with Field Points ensuring the coordinated model is translated to the field. Users quickly automate points within their drawings for use with Trimble Field Link for MEP. This tool reduces layout time from CAD and nearly eliminates the need for paper construction documents in the field.

Interoperable Workflows
PipeDesigner 3D follows the same workflow as used by the mechanical contractor, allowing for easy export for model coordination and post-bid cost reporting. With the ability to export design files via IFC, an open, neutral and standardized specification for BIM, contractors are able to work easily through the whole BIM model coordination process. PipeDesigner 3D also allows you to export your drawing to Trimble AutoBid® Mechanical to quickly gather post-bid reporting. By monitoring the project through the detailing phase, cost impacts due to changes in the design can be monitored closely.

System Requirements
**WORKSTATION:**
- **Processor:** 2.8GHz Intel® Core™ i7 compatible processor with Hyper-Threading
- **RAM:** 8GB RAM or higher
- **Storage:** 5 GB free disk space for installation
- **Operating System:** Windows® 8 Professional 64-bit or Windows® 7 Professional 64-bit
- **Video Card:** Autodesk® - certified graphics hardware
- **Monitor:** Dual 23-inch Monitors; 1280 X 1024 resolution

Hanger Block Insertion: The Hanger Block Insertion tool allows you to use custom hanger blocks and will quickly place the blocks at hanger point locations along the pipe run.

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