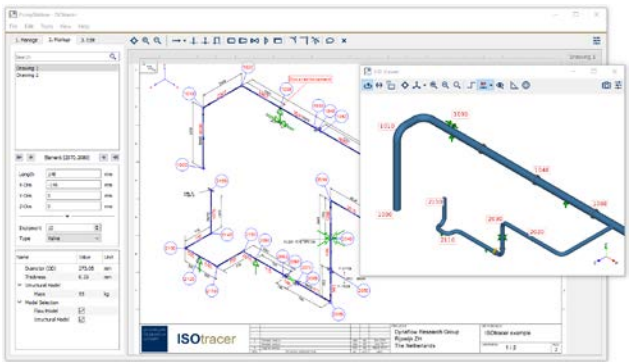
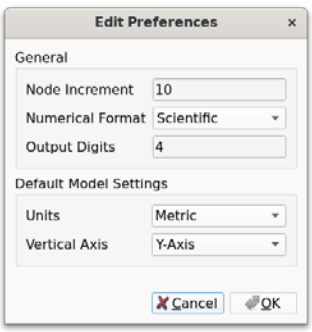
Fastest 3D piping modeling tool for isometric drawings





Pipe Modeling Software

ISOtracer® is the fastest modeling toolfor generating 3D piping models from isometric drawings. It is specially built for engineers involved with modeling piping systems for static/dynamic stress simulations, fluid flow simulations, or other piping systems. Using ISOtracer, managing your isometrics, generating a piping model and marking up changes has never been easier. ISOtracer will help you save valuable time when generating piping models from isometric drawings and is compatible with most of the commonly used pipe stress packages and the DRG fluid flow software packages BOSfluids®, BOSpulse® and BOSview®.

Faster Modeling

You can now build your model up to 50% faster by clicking along the pipe routing instead of manually defining every pipe segment in your pipe stress package. The nodes are automatically marked on the isometric including lengths and element type. The built-in Intelligent-Routing© capability allows for even faster modeling. Changes in direction are automatically recognized. The user only has to prompt the right length and everything else is taken care of by the software.

3D Model

With ISOtracer, modeling of a piping system and marking of isometrics are done in one single step. By clicking on the isometrics along the pipe routing (tracing), a 3D-model is created and displayed while the isometric is marked at the same time. A lot of valuable time is saved while isometric markings are created that allow for clear and easy communication with others.

The 3D model is immediately accessible and helps you navigate through your stack of isometrics in a structured manner. Through the continuous visual display of the 3D-model a fast overview of the system can be obtained. Through Interactive Connect© the 3D-model is connected to the tracings on your isometric. By clicking on a node in the 3D-model automatically the corresponding isometric is shown and vice versa. This allows for very fast navigation and increased efficiency.

Interface With Pipe Stress Software

ISOtracer incorporates seamless links between flow analysis and pipe stress analysis. This allows the passing of models and data between these workgroups without data loss eliminating redundant work processes and improving the quality of pipe stress and fluid flow analysis. The created 3D-model is exportable to many of the common engineering packages for analysis. Examples of these packages are the pipe stress software packages such as CAESAR II®, AutoPipe®, Rohr2® and TriFlex® and flow and pulsation packages such as BOSfluids® and BOSpulse®. The exported 3D-model includes, beside the pipe routing, also all other marked-up elements such as Supports, Valves, Bends, Flanges etc. When imported, the model is immediately ready for analysis, saving an enormous amount of time.

Experienced and Responsive Support

Dynaflow Research Group (DRG) uses ISOtracer extensively for industrial consulting projects. Should you need any advice on how to get the best out of the software, the specialists of DRG are always onhand to provide the best possible support. In addition, the software team is always working to add additional features, often based on customer suggestions, to make your analysis even easier.

FEATURES

- ✓ 50% faster modeling
- ✓ Intelligent-routing©
- ✓ Automatic markings
- ✓ Intuitive user interface
- ✓ Interactive 3D-model
- ✓ Export for pipe stress and flow analysis
- ✓ CAESAR II® model export
- ✓ Superior quality control Isometric management

APPLICATIONS

- ✓ Aerospace
- ✓ Building services
- ✓ Chemical plants
- ✓ Food and Brewing
- ✓ Offshore
- ✓ Petrochemical
- ✓ Pharmaceutical
- ✓ Piping systems
- ✓ Power plants
- ✓ Process and plant design
- ✓ Shipbuilding
- ✓ Steelwork
- ✓ Water treatment