

MISO

Piping Isometrics
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M4 ISO

Automatic Piping Isometrics for Fabrication and Installation

M4 ISO is the ideal tool for automatically generating unscaled pipe isometric drawings from your 3D design data. The intuitive software uses pipework data from 3D CAD and plant design systems to automatically create 2D pipe isometric drawings, along with complete bills of material and pipe cutlength and spool lists for fabrication and transport considerations.

M4 ISO can be used in automated or in manual mode, giving users more detailed influence over outputs. Its open data format provides a high degree of flexibility, allowing companies to configure their isometrics in line with corporate or projectspecific requirements. Users can change their isometric drawing styles, as well as customise the system's templates. M4 ISO allows design engineers to include a 3D view of the relevant pipe segment with each isometric drawing, providing a welcome visual aid for fabricators and installers alike.



Automatic Mode

In automatic mode, M4 ISO generates and saves the required piping isometrics and related parts lists automatically, ready for fabricators and installers.

Manual Mode

Where specific formats or views are required, M4 ISO allows users to manually influence the output. A preview is provided for each isometric drawing, and users can change various settings, including the North angle. They can also edit, delete or remove note text from the diagram.

BOM and Parts Lists

M4 ISO automatically generates configurable bills of material from the piping data generated by the 3D CAD or plant design system. BOMs can be placed directly onto an isometric drawing or exported to Excel, for example, for downstream use.

Pipe Cuts

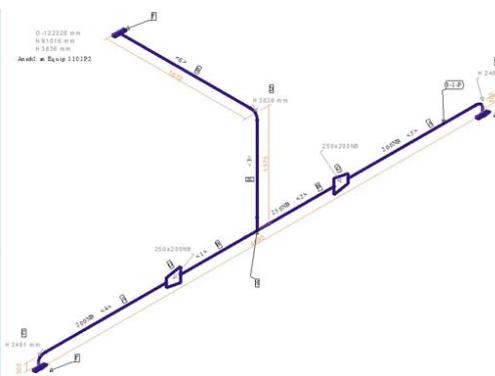
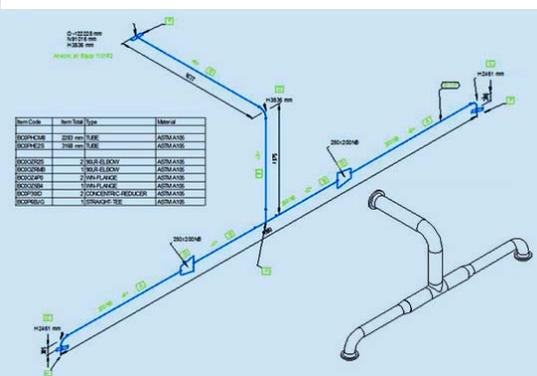
M4 ISO generates detailed cut-length lists, which are lists of individual cut pieces of pipe, required for fabrication by the manufacturer.

Pipe Spools

M4 ISO also generates a list of spool pieces, which are fully welded pipework delivered as a single piece. The system automatically recognises spool boundaries where components are not welded together, e.g. flanged connections or valves.

Notes on Pipework

M4 ISO recognises any notes attached to the pipework in the 3D designs and positions them in the appropriate place on the 2D isometric drawing.





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