

Fabrication SmartTools

Accelerated Productivity For Fab Parts in Revit

Purpose-built to maximize production within Fab Parts in Revit, Fabrication SmartTools is a suite of productivity tools that lets sheet metal and piping contractors design for fabrication with fewer steps, reducing 3D modeling time by half and allowing users to modify designs with a single click and create fabrication spools eight times faster.

By improving and simplifying design workflows and eliminating manual, repetitive, and tedious tasks, Fabrication SmartTools creates a streamlined and easy-to-use Fab Parts in Revit experience that ensures that sheet metal and piping contractors can accelerate productivity for reduced project delivery times.

Automate fabrication spool and sheet creation, point layout, hanger placement, and more so that you can fabricate faster and with a competitive advantage.

Automated Workflows, Immediate Impact

Processes that used to take days now take hours, as Fabrication SmartTools amplifies Fab Parts in Revit so pipe and sheet metal detailers can do more work with less steps. Hanger, Spooling, (Re) Numbering, and Point Layout tools- all intuitive and easy to use- automate critical detailing processes without sacrificing accuracy.

By improving and simplifying design workflows in Fab Parts in Revit, users can assemble and spool 3D models

in half the time, modify designs with a single click, and create fabrication spools that include labor estimates and manufacturer information, all without sacrificing familiar workflows.

Powered By Unparalleled, Managed Content

MEP productivity tools are only as good as the content they work with. Fabrication SmartTools comes packaged with the world's largest library of managed mechanical ITM content and system configurations for the Autodesk Fabrication platform, ready to go out-of-the-box with button-mapped services and loaded with managed labor and pricing values.

Fabrication SmartTools' direct integration with this content—which is always up-to-date and purchasable—lets detailers efficiently produce the level of accuracy that is needed to fabricate and construct sheet metal and piping projects within budget and with heightened quality.

Quality

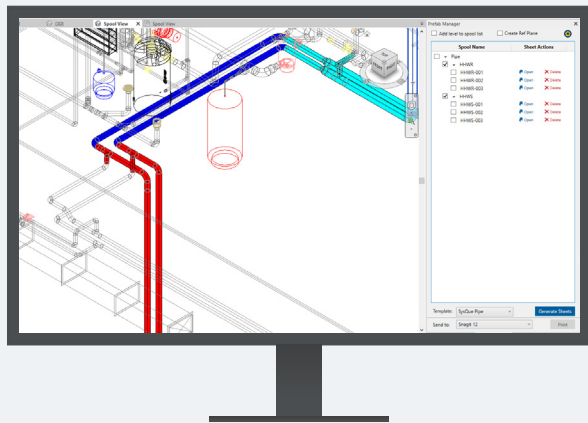
Tedious and redundant processes not only drain design for fabrication productivity, they also open execution up to the possibility of mistakes. Fabrication SmartTools lets users leverage automated design processes to guarantee they are without error, ensuring you can not only fabricate faster, but with a competitive advantage.

Benefits:

- ▶ **Hangers & Spools, 8x faster**
Eliminate the manual, repetitive, and time-consuming tasks that are productivity killers with tools that automate detailing processes with the click of a button.
- ▶ **Packaged With Managed ITM Content**
Fabrication SmartTools allows users to efficiently produce the as-built level of accuracy that is needed to fabricate and construct sheet metal and piping projects.
- ▶ **200+% Increased Fabrication Productivity**
Fabrication SmartTools is a catalyst for productivity when working with MEP assemblies, reducing processes that would take minutes to seconds.
- ▶ **Higher Quality Models**
Avoid processes that may lead to error with tools that automate workflows.
- ▶ **Precision of 3D, In The Field**
Streamline the creation of layout data and ensure model points are accurately translated in the field with best-in-class point creation and layout functionality.

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Key Functionality

Hangers

Automatically place single service fabrication supports such as clevis hangers for pipe, and strap hangers for ductwork, using the configuration spacing rules that exist in Trimble SysQue's Hangers application.

Spooling

Define spool, define spool run, auto spool, modify spool, create and modify package, create all needed sheets, views and schedules, automate dimensions, numbering, annotations, placement of tags.

Numbering

Automatically number/renumber items in a design in a sequential order, according to set rules. Give the same number to "like" items and exclude certain item types as required.

Point Layout

Create points on all model types and elements during construction modeling, export location points in direct file formats compatible with robotics total stations, perform QA/QC, and import accurate as-built locations back to the construction model.

System requirements

Hardware

Laptop or Desktop PC

Processor

- Single- or Multi-Core Intel®, Xeon®, or i-Series processor or AMD® equivalent with SSE2 technology (Highest affordable CPU speed rating recommended)
- 32 GB RAM or greater

Display

Minimum:
1920 x 1200 with true color
Maximum:
Ultra-High (4k) Definition Monitor

Web Browser

Google Chrome, Microsoft Edge, Firefox, Safari

Connectivity

Requires an Internet connection for license registration and use.

Disk Space

- 35 GB free disk space (including Revit install)
- 10,000 + RPM or Solid State Drive

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