



# DESIGN AUTOMATION FOR MEP.



## PROVIDES FLEXIBILITY, SPEED AND ACCURACY.

MSUITE BIM is a design automation solution for the fast-paced MEP industry that increases the quality of design, eliminates the bore of dimensioning and tagging, and improves productivity.

**“** MSUITE’s Automatic Spooling offers over 5.5x productivity gain.”

**JOHN TRAMMELL**  
Dir. of VDC Technologies  
The Brandt Companies

### CREATE SPOOLS ONCE

- Auto Spool rapidly creates assemblies using construction logic and project parameters to ensure that what gets fabricated in the shop will work for the field.

### ELIMINATE BOTTLENECKS

- Automate your spooling and sheet creation.
- Focus on Design and Coordination.
- Rule-based automation allows users to quickly automate fabrication spool & sheet creation, hanger placement, point layout, shop drawings and more.

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### LESS TIME DETAILING

- DIY Spool Sheets easily automates the placement of views, dimensions, tags, and more.

### EASILY LAYOUT AND COMMUNICATE POINT LOCATIONS

- Collaborate with layout teams in the field by automating point placement and reporting. Quickly create thousands of points and send them and the model straight to your total station equipment in the field.

### INSTANT HANGER PLACEMENT AND REPORTING

- Empower design teams by removing tedious hurdles like properly placing hangers throughout a model.



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# KEY FEATURES + CAPABILITIES



The Bill of Materials, Cut List, and Joint Tracking are all schedules brought in and performed in minutes rather than tens of minutes using CAD."

**JAMES YOUNG**

Spooling Manager/Virt. Designer,  
The Brandt Companies

## AUTODESK® REVIT® PLUG-IN

- Advanced productivity plug-in for Autodesk® Revit® provides an in-application ribbon containing tools to help expedite MEP detailing.

## AUTOMATED SPOOL SHEET CREATION

- User customizable spool sheet tool. Automate the creation of spool sheets with fully dimensioned & tagged views, along with multiple schedules.

### OLD WAY:

- Manual spooling & sheet creation in Revit averages 5-10 min.
- Spooling, Sheet Creation, & clean up completed in 30 sec.

### WITH MSUITE:

- 3-5 sec. to create a sheet, schedules & views placed, fully dimensioned & tagged.
- 10-30 sec. for any manual clean up.

### AT LEAST 90% FASTER

## AUTO-SPOOLING

- Automatically identify spools based on a set of rules. Creates 3-4 spools per second.

## MSUITE FAB INTEGRATION

- Integration with MSUITE Fab, allowing enhancement of shop workflow & accurate transfer of information.

## CREATE AND COLOR SPOOLS

- Manually create spools in seconds. Color spools as you go to quickly identify within the model.

## AUTOMATIC HANGER PLACEMENT

- Create rules & standards to place hangers & rack supports. Run multiple rules simultaneously to increase productivity.

## HANGER REPORTS + CLASH DETECTION

- Customize your hanger reports, cuts, & quantities for your fab & field teams. Run & manage clash reports in Revit for hanger coordination.

## MONTHLY UPDATES

- BIM releases new updates monthly that are driven by customer feedback.

## TAG AND ANNOTATION

- Overlap-Free Construction Annotations with Dimensions, Item Number Tags, Size Tags, Continuation Tags & Dimensions to Grids.

## AUTO-DIMENSIONS

- Automatically dimension to Centers, Faces & Ends in any View; Plan, Elevation, or Isometric.

## LAYOUT POINTS

- Create your layout points quickly & efficiently for your total stations. Import points back from the field and compare to design.

## FABRICATION CAD MEP TO REVIT

- Export MAJs with item data from CAD, Validate MAJ data in Revit, Fix Connections for imported items & Convert Spools.

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