

Autodesk® Factory Design Suite 2011

Accelerate your factory
layout process.



Extend the Benefits of Digital Prototyping to the Factory Floor

Autodesk® Factory Design Suite combines the power of AutoCAD® with the benefits of Digital Prototyping so you spend less time drafting and more time optimizing and visually communicating factory layouts.

Facing these issues?

- Need to slash design revision time.
- Find it difficult to clearly communicate factory layout ideas in 2D.
- Unable to detect clashes effectively in 2D.
- Spending a lot of time doing manual tape measurements on the factory floor.
- Spending a lot of time manually creating and updating section drawings.
- Difficulty working with suppliers who use other CAD formats.
- Hard time creating reusable content for factory layout.
- Need a focused factory layout solution from one vendor.

Learn how Autodesk Factory Design Suite can accelerate your factory layout process.

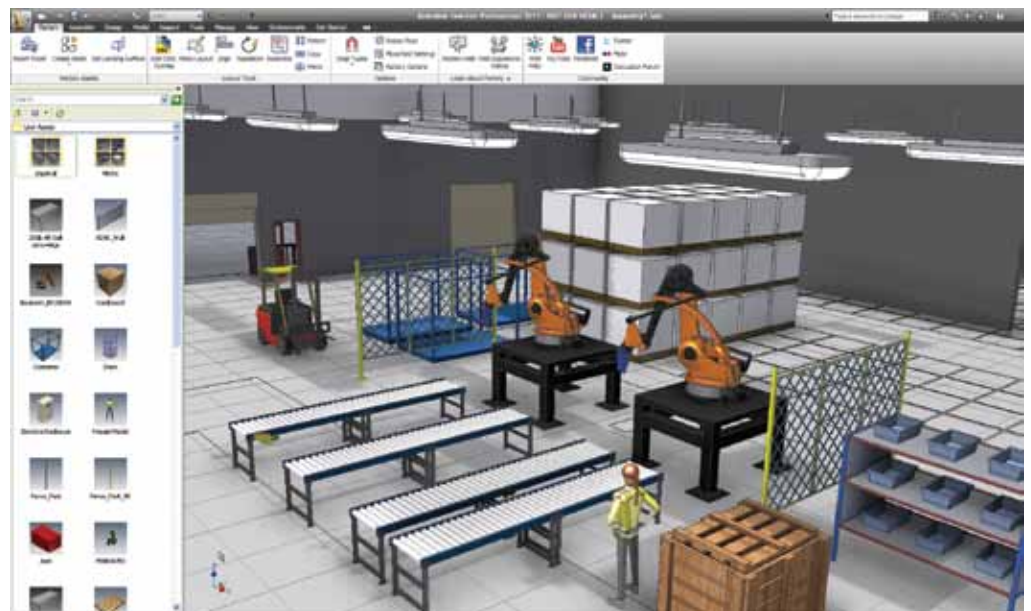
Autodesk® Factory Design Suite is an easy-to-use 2D/3D factory layout solution specifically built to help you make better layout decisions by enabling you to create a Digital Prototype of your factory.

The suite provides tools for integrating 2D layout data with 3D models of factory equipment, creating accurate factory models and 3D visual walk-throughs that help teams collaborate effectively and make more informed decisions before any equipment is installed and commissioned on the factory floor.

Core products in the suite include AutoCAD® Architecture, Autodesk® Navisworks®, Autodesk® Vault, and Autodesk® Inventor® software enhanced with the Autodesk® Factory Design Utility, which gives users a factory-specific work environment that helps factory layout designers spend more time innovating rather than drafting.

Autodesk Factory Design Suite can help machine and equipment builders, system integrators, and manufacturers to better design, optimize, and visualize factory layouts in order to:

- Win more business—Help decision makers visualize layout proposals in 3D instead of multilayered 2D drawings
- Meet compressed project schedules—Move from 2D conceptual layout, to factory model, to creating a 3D virtual fly-through in less time than traditional 2D layout methods
- Optimize the factory layout process—A factory-focused solution enables you to transform facility layout liabilities into profit-generating assets and take advantage of modern laser-scanning workflows
- Collaborate more effectively with suppliers and partners—Reduce installation risks by analyzing the digital factory model for clashes and space constraints digitally, before they become problems onsite



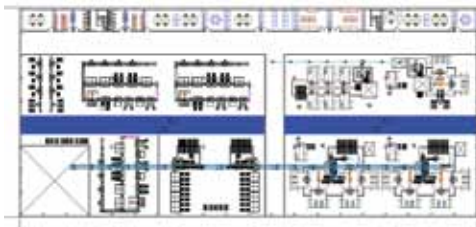


Autodesk is changing the way factory layout professionals think about their design practices and is helping companies build more efficient factories faster, with greater confidence and fewer costs.

Design, Optimize, and Visualize Factory Layouts in 1-2-3D

Users can take advantage of their existing layout data and expertise to build accurate factory layout models, quickly try multiple layout “what if” scenarios, and communicate the best solution to stakeholders and partners in three easy steps:

1. Create the 2D conceptual layout in AutoCAD or import existing 2D layouts.



2. Build the 3D factory model by dragging and dropping 3D models of machines and other facility equipment directly onto the 2D layout from a library of commonly used factory content. Or easily build and include your own 3D factory asset models to try multiple “what if” scenarios until you find the best solution.



3. Communicate your ideas and build layout proposals easily. From conceptual design, to automatically generating 2D drawings with sections views, to installation instructions, to conducting engineering reviews of the virtual factory model with 3D walk-throughs, Autodesk Factory Design Suite accelerates the visual communication of factory layouts.



Autodesk Factory Design Suite offers:

- The Power of AutoCAD and Digital Prototyping**
 Take advantage of existing AutoCAD data and expertise to build accurate factory layout models.
- 2D/3D Visual Layout Environment**
 Easily create 3D visual layouts and try different “what-if” scenarios by dragging and dropping 3D models of machines and facilities content on top of your 2D floor plan.
- Large Library of Factory Assets**
 Access an extensive library of out-of-the-box parametric factory content such as conveyors, material handling equipment, and facility equipment, which can be resized and reused.
- Custom Factory Asset Creation**
 Use Inventor software’s Digital Prototyping capabilities to create factory assets or easily import factory assets from suppliers to include in your layout.
- Factory Design Efficiency**
 Improve your design efficiency by automating manual repetitive tasks such as creation of plan views and section views of the layout and save time on tedious tape measurements by leveraging laser scanning in your layout workflows.
- 3D Factory Visualization and Analysis**
 Collaborate with team members and reduce installation risks by analyzing the digital factory model for clashes and space constraints digitally, before they become problems onsite.

Digital Prototyping for the Manufacturing Market

A world leader in 2D and 3D design, engineering, and entertainment software, Autodesk delivers the broadest product portfolio to empower customers to digitally design, visualize, and simulate their ideas. By putting powerful Digital Prototyping technology within the reach of mainstream manufacturers, Autodesk is changing the way manufacturers think about their design processes and is helping them create more productive workflows. The Autodesk approach to Digital Prototyping is unique in that it is scalable, attainable, and cost-effective, which allows a broader group of manufacturers to realize the benefits with minimal disruption to existing workflows, and provides the most straightforward path to creating and maintaining a single digital model in a multidisciplinary engineering environment.

Learn More or Purchase

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