

# Questions and Answers

Autodesk® Factory Design Suite enhances the power of AutoCAD® with the benefits of Digital Prototyping, so you spend less time drafting and more time optimising and visually communicating factory layouts. It includes design, analysis and presentation software built to help you design and communicate the most efficient layout before any equipment is installed.

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## 1. General Product Information

### 1.1 What is Autodesk Factory Design Suite 2013?

Autodesk® Factory Design Suite is built specifically for the layout design of machine lines and manufacturing facilities before equipment is installed and commissioned on the factory floor. It includes design, analysis and presentation software to help you discover and communicate the most efficient layout solution by creating a digital model of your factory. It enhances AutoCAD and Autodesk® Inventor® software with exclusive access to interoperable product workflows and factory-specific content that help to improve design efficiency, accuracy and communication when responding to changing business requirements.

### 1.2 What are the benefits of Autodesk Factory Design Suite?

Autodesk Factory Design Suite can help machine and equipment builders, engineering service providers and manufacturers to design, optimise and visualise the layouts of machine lines and manufacturing facilities more effectively in order to:

- **Win more business** – Help decision makers to visualise layout proposals in 3D instead of 2D drawings that can be difficult to interpret.
- **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.
- **Optimise the factory layout process** – A layout solution with interoperable workflows built specifically to help 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 analysing the digital factory model for clashes and space constraints digitally, before they become problems on-site.

### 1.3 What products are in the Autodesk Factory Design Suite?

Autodesk Factory Design Suite is available in three editions: Standard, Premium and Ultimate. Each edition builds on the previous one with additional products for specialised workflows.

Included Software Products	Autodesk Factory Design Suite Standard 2013	Autodesk Factory Design Suite Premium 2013	Autodesk Factory Design Suite Ultimate 2013
AutoCAD® 2013	√	√	√
AutoCAD® Architecture 2013	√	√	√
AutoCAD® Mechanical 2013	√	√	√
Autodesk® Showcase® 2013	√	√	√
Autodesk® Vault 2013	√	√	√
Autodesk® Factory Design Suite Utilities	√	√	√
Autodesk® Inventor® 2013		√	√
Autodesk® 3ds Max® Design 2013		√	√
Autodesk® Navisworks® Simulate 2013		√	√

Autodesk® Inventor® Professional 2013			√
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**1.4 When will the Autodesk Factory Design Suite be available?**

The Factory Design Suites 2013 are scheduled to ship on or after 12 April, 2012.

**1.5 Can I upgrade from standalone products to the Factory Design Suite?**

There are a variety of upgrades available from a standalone product, such as AutoCAD and Inventor, to the Factory Design Suite. Contact your reseller for details. Visit [www.autodesk.co.uk/reseller](http://www.autodesk.co.uk/reseller) to find a reseller near you.

**1.6 How do I know which Factory Design Suite is right for me?**

The Factory Design Suite is available in three different editions, providing the flexibility for manufacturers and system integrators to choose the one that suits their needs best. To choose which edition is right for you, visit [www.autodesk.co.uk/factorydesignsuite](http://www.autodesk.co.uk/factorydesignsuite) for more detailed information.

**1.7 What is the cost of the Factory Design Suites and how do I buy them?**

All editions of the Autodesk Factory Design Suite are sold through Autodesk Value Added Resellers. Our resellers are certified to provide the highest level of customer service, including product training, implementation services and support. Visit [www.autodesk.co.uk/reseller](http://www.autodesk.co.uk/reseller) to find a reseller near you.

## 2. Technology

**2.1 What are the key capabilities of the Factory Design Suites?**

Factory Design Suites help users to spend more time innovating and less time drafting with the following key features:

- **2D and 3D visual layout environment** – Try out “what-if” scenarios with ease by dragging 3D models of machine and facilities content on to your 2D floor plan. With bidirectional associativity, 2D drawings and the 3D factory layout model update automatically whenever the layout design changes.
- **Large library of factory assets** – Access out-of-the-box 2D and 3D parametric factory content such as conveyors, material handling equipment and facility equipment that can be resized and reused.
- **Factory asset builder** – Use Autodesk Inventor software to create 3D CAD models of factory equipment, or import factory assets from suppliers with ease to include in your layout.
- **Factory design efficiency** – Improve your digital factory design efficiency by automating repetitive manual tasks such as the creation of plan and section views of the layout, and save time on tape measurements by using laser scanning in your layout workflows.
- **3D factory visualisation and analysis** – Collaborate better with immersive high-quality renderings and visualisations and explore digital factory layouts with interactive 3D virtual walk-throughs and fly-throughs.
- **Autodesk 360** – With Autodesk® 360, Factory Design Suite users can manage their assets, collaborate and share layout designs with various stakeholders online via the DWF™ file format. Both public and private sharing capabilities make it easy to collaborate internally or share with external stakeholders.

For more information about the capabilities of Factory Design Suite, visit [www.autodesk.co.uk/factorydesignsuite](http://www.autodesk.co.uk/factorydesignsuite).

**2.2 What are the system requirements for Factory Design Suite?**

For a complete list of system requirements for Autodesk Factory Design Suite, visit <http://www.autodesk.com/systemrequirements-suites>.

### **2.3 Is Factory Design Suite supported on Microsoft® Windows® 7?**

Yes. For a complete list of system requirements for Autodesk Factory Design Suite, visit <http://www.autodesk.com/systemrequirements-suites>.

## **3. Installation, Configuration and Licensing**

### **3.1 Is the Factory Design Suite available as a standalone and network licence?**

Yes, Autodesk Factory Design Suite is available for both standalone and network licensing. Licensing is handled through standard Autodesk licensing processes using Autodesk Licensing Manager (ADLM). Customers who purchase multiple network licences for suites that have common products and are only able to access a subset of prior version copies can get their full prior version entitlement by contacting their reseller or by visiting <https://registeronce.autodesk.com> to have the licences re-issued.

### **3.2 Do all products in the Factory Design Suite need to be used on the same workstation?**

Yes, the software applications within an Autodesk Factory Design Suite licence can only be installed on a single computer. They cannot be split across multiple workstations.

### **3.3 How do I activate my software?**

Through the activation and registration interface, you can activate your product 24 hours a day, seven days a week, on the Internet or via email. Either option takes only a few steps to complete and requires your serial number and registration information.

### **3.4 What if I have more than one computer? Can I use my software on multiple machines?**

Autodesk recognises that some users may need to operate the software when they are away from their usual work location. To accommodate this need, the product activation technology allows an employee to install the software on a second computer owned by the employee's company, provided it is for use away from the employee's usual work location, the software is used only by that employee and no other and only one of the two copies of the software is ever in use at any one time. Consult the Autodesk Software Licence Agreement for details about using the software on a second computer.

### **3.5 Where can I find more information about software activation?**

More information on product activation can be found at [www.autodesk.com/activation](http://www.autodesk.com/activation).

## **4. Compatibility and Interoperability**

### **4.1 How do the products within the Factory Design Suites work together?**

Factory Design Suite includes the Autodesk® Factory Design Suite Utilities that adds factory-specific functionality to AutoCAD, Inventor and Navisworks and combines them with powerful visualisation tools like 3ds Max Design and Showcase so you can experience your factory before it's built.

Autodesk Factory Design Suite Utilities adds the following factory-specific functionality in AutoCAD:

- Material flow analysis
- Large library of factory content
- Interoperable 2D-3D layout workflows with bidirectional associativity
- Parametric asset variants

Autodesk Factory Design Suite Utilities adds the following factory-specific functionality in Inventor:

- Interoperable 2D-3D layout workflows with bidirectional associativity
- Ability to create accurate factory models with a predefined floor
- Ability to drag [3D CAD](#) models of factory assets onto your 2D floor plan
- Large library of 3D parametric factory content

- Ability to add smart connection points and landing surface definitions to the asset
- Ability to convert 2D drawings into 3D layouts automatically

Autodesk Factory Design Suite Utilities adds the following factory-specific functionality in Navisworks:

- Floor plane for layout workflows
- Purpose-built repositioning commands for laying out machines and other equipment quickly
- Switchback with Inventor

#### **4.2 What is Autodesk 360?**

Autodesk® 360 is a cloud computing platform for delivering web-based products and services to Factory Design Suite customers. With Autodesk 360, customers gain a workflow advantage by connecting products on the desktop to secure and ubiquitous computing in the cloud, helping them to design, visualise, simulate and share their ideas rapidly – anywhere, anytime and from any device. Customers using the Building Design Suite have access to broader cloud-based capabilities and storage capacity than they would with the individual products alone.

- Autodesk 360 enables customers to work wherever their jobs take them by connecting their workflow with software on the desktop to services in the cloud as well as mobile devices for design, analysis and optimisation.
- Cloud computing connects extended team members with each other effectively and efficiently, fostering better collaboration.

With Autodesk® Subscription, Building Design Suite customers have access to more cloud computing capabilities and storage capacity. For more information, visit [www.autodesk.co.uk/subscription](http://www.autodesk.co.uk/subscription)

## **5. Training and Support**

### **5.1 How do I obtain technical support?**

Direct technical support is available from both Autodesk and Autodesk Value Added Resellers.

In addition, Autodesk Subscription is a comprehensive software, support and training package that simplifies your technology upgrades and boosts your design productivity. Purchase of Autodesk Subscription includes web support from Autodesk technical experts for all your installation, configuration and troubleshooting questions.

To learn more about Autodesk Subscription, contact your Autodesk Account Executive or your Autodesk Value Added Reseller, or visit [www.autodesk.co.uk/subscription](http://www.autodesk.co.uk/subscription).

### **5.2 Is technical support available through Autodesk Subscription?**

When you enrol your Autodesk Factory Design Suite software licences in Autodesk Subscription, you are entitled to direct technical support via the web. Your Autodesk Distributor, Autodesk Value Added Reseller or Autodesk Retailer can provide you with Autodesk Subscription enrolment rules, terms and conditions, and programme and pricing details for your location. For more information about Autodesk Subscription, visit [www.autodesk.co.uk/subscription](http://www.autodesk.co.uk/subscription).

### **5.3 How can I get training and learn more about Factory Design Suite?**

There are multiple ways for you to get additional information and training on Factory Design Suite:

- Visit the Autodesk Services and Support page for more information regarding training tools and resources as well as help finding an Autodesk Authorised Training Centre near you.

- Visit [www.autodesk.com/community](http://www.autodesk.com/community) to connect with your peers as well as with Autodesk to learn, exchange information and contribute to the conversation.
- Check out the factory overview and demonstration videos on YouTube. Search using “Autodesk Factory Design Suite” as the keyword.
- Watch videos, engage in discussions and learn tips and tricks on <http://wikihelp.autodesk.com>, a site focused on a collaborative learning community for users.

#### **5.4 Can I try Factory Design Suite before I buy it?**

Yes, a fully-functioning version of Autodesk Factory Design Suite is available as a free\* 30-day trial at [www.autodesk.co.uk/factorydesignsuite](http://www.autodesk.co.uk/factorydesignsuite).

## **6. Subscription**

### **6.1 Is Subscription available for purchase with Factory Design Suite?**

Autodesk® Subscription is available for purchase with all editions of the Factory Design Suite. For more information about the availability of Subscription with Gold Support, contact your reseller.

### **6.2 What benefits does Subscription offer?**

Autodesk Subscription gives Factory Design Suite customers a workflow advantage with more cloud computing capabilities and storage capacity for Autodesk 360 services, upgrades to the latest software releases and workflows, online technical support and flexible licensing\*\* privileges.

- The Latest Software Releases and Suites Workflows

Autodesk Design Suite customers receive the latest software product releases with their suite, which may feature valuable new workflow functionality that is unique to the suites. This helps to ensure that customers always have access to the most up-to-date toolset that gives them the competitive edge they need to respond to changing business requirements.

- More Cloud Computing Capabilities and Storage Capacity

Autodesk Design Suite customers on Subscription have greater cloud computing capabilities and more storage capacity with Autodesk 360. As a result, they can better connect their workflows by viewing and sharing more design files on web or mobile devices, simulating and visualising more design options, and improving project results with web-based collaboration.

- Online Technical Support

Online technical support enables Subscription customers to resolve issues quickly and get back to work. Subscription customers also have the option of purchasing higher levels of Autodesk technical support if needed.

- Flexible Licensing Privileges

Subscription customers have flexible licensing privileges that enable them to use both previous and current versions of their software, and to install it on both home and office computers for use in multiple locations.

### **6.3 What is the benefit of Gold support?**

Gold support provides all of the standard Autodesk Subscription benefits plus the following:

- Phone support for up to four authorised callers
- More aggressive initial response target
- API (application programming interface) support

**6.4 How can I access my Subscription benefits?**

Simply log in to the Subscription Center at [www.autodesk.co.uk/subscriptionlogin](http://www.autodesk.co.uk/subscriptionlogin) to begin accessing your Subscription services.

*\*Free products are subject to the terms and conditions of the end-user licence agreement that accompanies download of the software.*

*\*\*Not all Subscription benefits are available for all products in all geographies. Please contact your Autodesk reseller or sales representative for more information.*

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