



## 1. General Product Information

### 1.1 What is Autodesk Streamline?

The Autodesk Streamline® hosted online project collaboration service is specifically designed for the manufacturing industry. The Autodesk Streamline service helps companies improve collaboration and business processes with their suppliers, customers, and trading partners by providing a single-source project environment that is easy to install, access, and use. Autodesk Streamline helps get the right information to the right people at the right time. Design and project data can be easily shared and tracked to improve the decision-making process.

By providing an easy method for sharing design and business data with the supply chain, Autodesk Streamline helps make product development processes more efficient, saving companies time and money and helping them stay competitive.

In summary, Autodesk Streamline is a

- Secure place
- To store and manage design and business data
- With 2D and 3D visualization and markup capabilities
- In a collaborative environment

### 1.2 Why is collaboration so important to manufacturing businesses today?

With multiple project teams working in diverse locations and at different times, online project collaboration is essential for keeping all team members working efficiently. Autodesk Streamline enables everyone in the supply chain—engineers, designers, managers, purchasers, marketers or vendors, and suppliers—to store, manage, share, and access project information anytime, anywhere.

### 1.3 How secure is information posted on an Autodesk Streamline site?

Every transmission of information to or from an Autodesk Streamline site is securely encrypted using Secure Sockets Layer (SSL) technology. Access to all the data stored on Autodesk Streamline is password-protected and administered by controls that are established at the account, project, and document levels.

The Autodesk Streamline service uses on-site and off-site redundant servers as well as on-site and off-site backups. These redundant storage drives ensure world-class uptime and access to data.

### 1.4 What's new in Autodesk Streamline 5?

Autodesk Streamline 5 builds on Autodesk Streamline 4 to help you unlock the value of digital design data and discover the power of collaboration to increase productivity. The Autodesk Streamline 5 enhancements extend the benefits of collaboration beyond the

manufacturer to suppliers, customers, and trading partners, ensuring that data maintains its value throughout the product lifecycle.

The Autodesk Streamline 5 service introduces several new features to facilitate sharing design and project data with everyone who needs it, regardless of where they are located. By connecting the extended manufacturing team, Autodesk Streamline 5 helps improve business processes, leading to faster time to market and reduced operating costs. New and enhanced features include the following:

**RFQ (Request for Quote) Process**—Autodesk Streamline 5 provides an easy-to-use method for tracking the RFQ process in the project hosting environment. The improved RFQ process makes it easy to manage and track all RFQ information throughout the entire process, reducing the cost of working with suppliers and speeding time to market.

**Compatibility with Multiple CAD Systems**—Autodesk Streamline 5 users can now publish to Autodesk Streamline from PTC's Pro/ENGINEER® software. Regardless of which authoring tool you use, Autodesk Streamline 5 offers the benefits of collaboration to organizations or departments using multiple CAD applications.

**Offline Viewing**—Using the new offline viewing feature, Autodesk Streamline 5 users can view files without an Internet connection. With the ability to view digital data anytime from anywhere—the office, shop floor, a plane, or at a customer location—manufacturers can be productive regardless of whether they are connected to the Internet.

**Indexed Full Content Search**—Enhanced search capability enables users to conduct a new full content search for any product information in all Autodesk Streamline files. Users can search 2D and 3D package files for attributes, properties, and names.

**Project Hosting Environments**—Autodesk's industry-specific collaboration services are based on the Autodesk® ProjectPoint® platform for project hosting activities. This platform has been improved in several areas to simplify administrative tasks and improve performance. Enhanced permission controls reduce time spent assigning permissions, and new "deposit" permissions provide a greater degree of security. New performance features include faster login speed and better system performance when managing larger sites.

**Enhanced Graphics Support**—The Autodesk Streamline 5 service improves the texture mapping capabilities by capturing more detailed design intent, such as applying shiny or matte finishes to individual features and faces. You benefit by achieving more accurate visual renderings and significantly cutting costs by reducing the need for real-world models.

**Globalization**—Autodesk Streamline 5 is Unicode-enabled, extending collaboration benefits to the global community so data can be displayed properly in localized operating systems. This technology helps to ensure that all team members around the world can use rich design data stored on the Autodesk Streamline service.

For more information about Autodesk Streamline 5 product features, refer to the Features and Benefits document at [www.autodesk.com/streamline](http://www.autodesk.com/streamline).

### 1.5 Who should use the Autodesk Streamline service?

Any manufacturing company looking to improve communication between supply chain partners and the extended manufacturing team can benefit from Autodesk Streamline. This includes

- Any team working collaboratively with external suppliers or customers, even during the early stages of the quoting process
- Companies that have clear collaboration problems (inside and outside the company) and do not want the complexity or cost of a product data management (PDM) system

- Any company that uses PDM systems to manage data inside the design department but needs a solution to quickly and inexpensively share design data with its extended manufacturing team
- Groups or divisions in larger companies that have not seen a good return on investment (ROI) for complex PDM systems, or are still waiting for them to be implemented and need collaboration tools that are easy to deploy and use
- Any company or division that needs to establish communication with an extended team

**1.6 What benefits does the Autodesk Streamline service offer manufacturers?**

Autodesk Streamline offers increased collaboration without process reengineering or complex pilot projects. Some benefits include the following:

- Team collaboration early in the design phase, which reduces the probability for costly design revisions in the later stages of product development
- Ability to share information outside the engineering department with non-technical staff such as purchasing, marketing, suppliers, customers, and trading partners
- Streamlined processes, such as the RFQ process, with suppliers or customers
- Rapid development of innovative ideas through a collaborative product development process
- Ability to maintain high quality while reducing costs by minimizing mistakes and automating collaboration
- Getting products to market faster by providing instant access to design data across the entire supply chain
- Quick installation for rapid ROI

**1.7 How does Autodesk define the extended manufacturing team?**

The extended manufacturing team includes people from inside and outside the company such as supply chain partners, sales, marketing, purchasing, documentation, the shop floor, machinists, and more. To bring products to market rapidly and profitably, extended manufacturing teams need to be able to share design information quickly and efficiently. These teams include both publishers and consumers of data. The publishers are those who create it, such as mechanical designers and engineers. The consumers are those who use that data, such as supply chain partners, sales, marketing, purchasing, documentation, machinists, subcontractors, and shop floor workers.

**1.8 What does the Autodesk Streamline service offer publishers and consumers of data?**

For publishers of data, the Autodesk Streamline project hosting service offers a single-source repository for design data without the added work of transferring files multiple times, creating multiple printouts, or faxing drawings. A user can publish the design once, making it accessible to all project team members and enabling them to collaborate online with product development partners located anywhere. The publisher controls who has access to design data.

For consumers of data, the Autodesk Streamline service provides up-to-date design and product information tailored to meet their needs, so they don't have to navigate difficult-to-read CAD files to find the information they need. Consumers can access the data when they want it; they don't have to wait to download large files via email and then manage the files once they have them. Autodesk Streamline users can participate in the design process earlier, more often, and with greater impact. For example, salespeople in the field can rapidly review work at the customer site and provide immediate feedback on design

alternatives using information shared on the Autodesk Streamline project site. And manufacturing engineers can provide real-time commentary on proposed designs through markup capabilities.

## 2. Technology and Integration

### 2.1 How is the Autodesk Streamline service different from other enterprise solutions?

Autodesk Streamline offers companies an easy way to start collaborating with their entire manufacturing supply chain. Unlike the offerings of product data management (PDM) vendors, ERP vendors, supply chain/design chain solution providers, and conferencing and collaboration tool providers, the low-cost Autodesk Streamline service is easy to install and provides rapid return on investment. In addition, it makes it easier to share design information with team members outside the engineering department.

**PDM vendors** such as Dassault Systèmes, MatrixOne, and PTC require companies to reengineer processes and employ consultants before they can implement their data management solutions. The Autodesk Streamline project hosting service is quick, easy, and much less expensive to implement than solutions offered by PDM vendors.

**ERP vendors** such as SAP and Baan typically target Fortune 500 companies and require an organization to work with systems integrators and top-tier resellers to implement these solutions. Although the Autodesk Streamline service is not intended to compete with these vendors, Autodesk Professional Services can provide an estimate for integrations that will publish data from additional CAD systems to these systems.

**Conferencing and collaboration tool providers** such as CoCreate and EDS (previously EAI) provide some capabilities similar to Autodesk Streamline; however, these solutions are expensive and difficult to implement. In addition, they usually require moving large sets of design data over the Internet rather than streaming design data on demand.

### 2.2 How is the Autodesk Streamline service different from viewer products?

Viewer vendors make two types of viewers; some view native CAD data and others require translation to a neutral file format. Autodesk Streamline uses a compact, streaming form of data—allowing immediate access to large and complicated data sets while still providing content-rich data, online or offline.

### 2.3 Will Autodesk Streamline have integration capabilities with PDM systems?

Autodesk Professional Services can provide an estimate for integrations of Autodesk Streamline with PDM and other business systems.

### 2.4 What's the integration plan for other CAD products?

Currently, the Autodesk Streamline service is integrated with Autodesk Inventor<sup>®</sup>, Autodesk<sup>®</sup> Mechanical Desktop<sup>®</sup>, AutoCAD<sup>®</sup> Mechanical, and AutoCAD<sup>®</sup> software products. New to this release, Pro/ENGINEER data can be published to an Autodesk Streamline site as well.

## 3. Availability

### 3.1 How do I purchase Autodesk Streamline?

An Autodesk representative can be contacted at **(888) 870-1428** or +1 509-838-9752 (outside the U.S.) to purchase Autodesk Streamline. Email: [mcs.request@autodesk.com](mailto:mcs.request@autodesk.com)

Autodesk Streamline is available in all countries.

### 3.2 Does Autodesk offer an Autodesk Streamline trial account?

You can sign up for a free, 30-day trial account for Autodesk Streamline by going to [www.autodesk.com/streamline](http://www.autodesk.com/streamline) and selecting the Trial Account option.

Once a trial account has been established, you can create shortcuts to any location on your Autodesk Streamline site or add specific locations to your *Favorites* folder.

## 4. System Requirements and Support

### 4.1 What are the minimum system requirements for Autodesk Streamline?

- Intel® Pentium® II-based PC with 266 MHz or faster processor
- Microsoft® Windows® XP Professional, Windows 2000 (SP2 or later), or Windows NT® 4.0 (SP6 or later)
- 128 MB RAM
- 70 MB free disk space
- Microsoft Internet Explorer 5.01 or later
- 56 Kbps Internet connection (DSL, cable modem, or better connection recommended)

### 4.2 What support is available for Autodesk Streamline?

Autodesk Streamline support options include

- Telephone support: Call 800-892-0449 for support from 6 a.m. to 6 p.m. Pacific time.
- Email: Email support is available 24 hours a day, seven days a week at [mcs.support@autodesk.com](mailto:mcs.support@autodesk.com).
- Discussion groups: Log on to <http://discussion.autodesk.com> to access the Autodesk Streamline discussion groups.

**autodesk**

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