

PORTFOLIO

CLIENT:
Autodesk

PROJECT:
Data sheet

PAGE:
1

Richard Bloch

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415.924.6376

RJB@RBloch.com

www.RBloch.com

BACKGROUND:

This data sheet presents the Autodesk Inventor Series product, which offers new 2D and 3D design and manufacturing capabilities.



(Front)

The truth about 3D. You still need 2D. Autodesk Inventor Series

Autodesk Inventor Series didn't become the world's #1 selling 3D mechanical design software by accident. It's the industry leader because it consistently delivers the right tool for the job, helping you design your entire product line with one integrated design solution. Autodesk Inventor Series includes Autodesk Inventor® 3D design software; AutoCAD Mechanical for 2D drawing and detailing; and Autodesk Vault, integrated data management for securely managing work-in-process design data.

Because all of this is built into one complete package, Autodesk Inventor Series delivers a risk-free path from 2D to 3D. Now, you can move to 3D at your own pace, protect your existing investments in 2D drawings and knowledge, and know that you're working with the most DWG-compatible platform on the market.

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2

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Design Your Complete Product Line

Autodesk Inventor Series is a tool designed to work with affordable hardware. Its segmented data architecture can increase capacity to meet your specific needs, allowing you to design large and complex assemblies, and giving you the ability to

- **Seamlessly combine solids and surfaces** in one design environment for flexible creation and editing of advanced shapes
- **Instantly access** frequently used content of more than 500,000 standard and custom machine components, such as nuts, bolts, and screws
- **Create parts with Sheet Metal** tools so you can design parts face by face, flange by flange, or by extruding special contours
- **Design weldments** and simulate weld preparation, welding, and postweld operations

Create Quality Products the First Time Around

Stretch the bounds of innovation, reduce costs, and cut time to market with a visual design environment that includes capabilities for virtual prototyping. With the power to test product design and check for interferences in a virtual environment, you can resolve issues without creating expensive physical prototypes—leading to the delivery of a better finished product.

(Back)

Deliver the Design Faster

With a workflow that allows you to associate parts to assemblies, Autodesk Inventor makes it easy to quickly make changes to your model. Any changes made to a part or assembly will ripple through all associated parts, assemblies, presentations, and drawings, saving you hours or even days of work.

Autodesk Inventor helps you share 3D part designs with members of your design team who use AutoCAD Mechanical. These users can open a native Autodesk Inventor part file to document and detail the drawing. If a part changes in Autodesk Inventor, changes are automatically reflected in the AutoCAD Mechanical drawing, so drawings can be finished in less time.

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3

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Take the Fastest Route to Production-Ready Drawings

Accelerate and streamline the creation of production drawings while eliminating errors. With Automatic Drawing Views, you can create front, side, detail, isometric, section, and auxiliary views of your 3D model and then quickly dimension and annotate them.

With Autodesk Inventor Series, you can also save time and effort by

- **Associating drawing views** to original components, eliminating the need for manual checking
- **Creating associative parts lists** to keep BOM information up to date
- **Importing AutoCAD drawings**, and even layers, right into Autodesk Inventor

Communicate and Manage Design Data

Collaborating with your extended team is simpler than ever with the powerful Autodesk Inventor import and export capabilities—including full support for Autodesk DWF™ (Design Web Format™) files. Specialized 3D visualization allows constant feedback on component relations in all design modes, so you can improve every aspect of your design and still reduce costs and cut time to market.

Built into Autodesk Inventor Series, **Autodesk Vault** makes data management more efficient by organizing and protecting your design data from inadvertent changes. This easy-to-use data management tool makes work-in-progress data more accessible and reusable, while avoiding the versioning problems inherent in sharing files among workgroups. Most importantly, Autodesk Vault is tightly integrated with your Autodesk design applications, making data management easier and more efficient than ever before.

Learn Easily, Deploy Quickly

With a design environment that offers fewer, smarter commands and an advanced help system, Autodesk Inventor Series is easy to learn and offers unparalleled ease of use. Now you can use software that works the way you do, to improve efficiency, maximize the value of your existing design data, and take the industry's shortest path from 2D to full 3D productivity—without complex and expensive IT support.

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4

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Autodesk, Inc.
111 McInnis Parkway
San Rafael, CA 94903

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