



Autodesk® Inventor® 2013

AMS CAD + CAFM Solutions

amscad.com

Image courtesy of Brimrock Group Inc. and Mechanix Design Solutions Inc.

Autodesk® Inventor®

Takes You From 2D to 3D Digital Prototyping

The Inventor model is an accurate digital prototype that enables you to:

- **Design** – Integrate all design data into a single digital model
- **Visualize** – Create a virtual representation of the final product
- **Simulate** – Digitally validate the real-world performance of your product



Image courtesy of Brimrock Group Inc. and Mechanix Design Solutions Inc.

A Complete Set of Design Tools

Engineering Design Productivity

Design Automation

Industry-Leading Visualization

Efficient Design Asset Reuse

Drawings and Documentation

Easy-to-Use Simulation

Building More Sustainable Products

Complete Design

Autodesk® 360

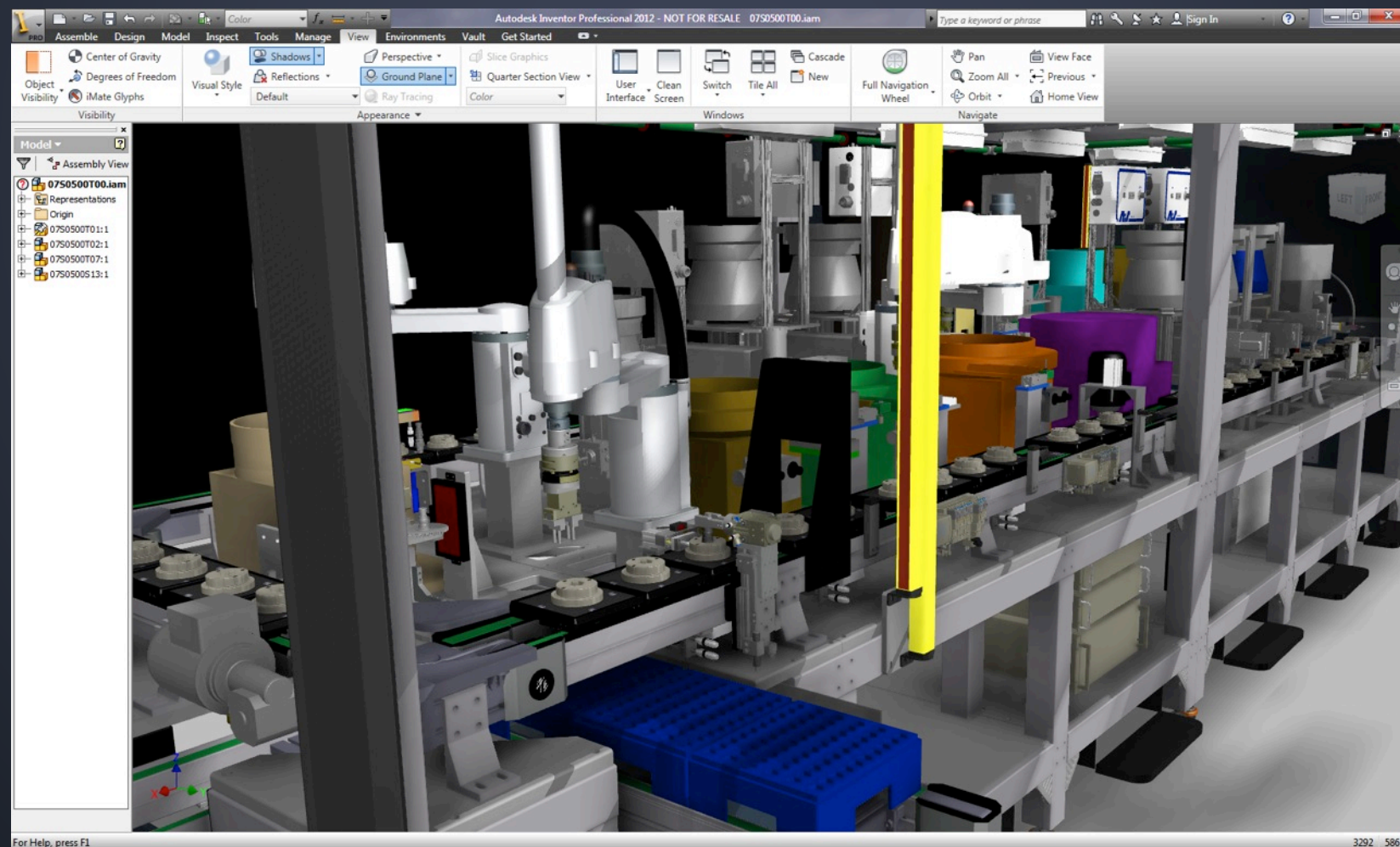
Integrated Data Management



Image courtesy of Brimrock Group Inc. and Mechanix Design Solutions Inc.

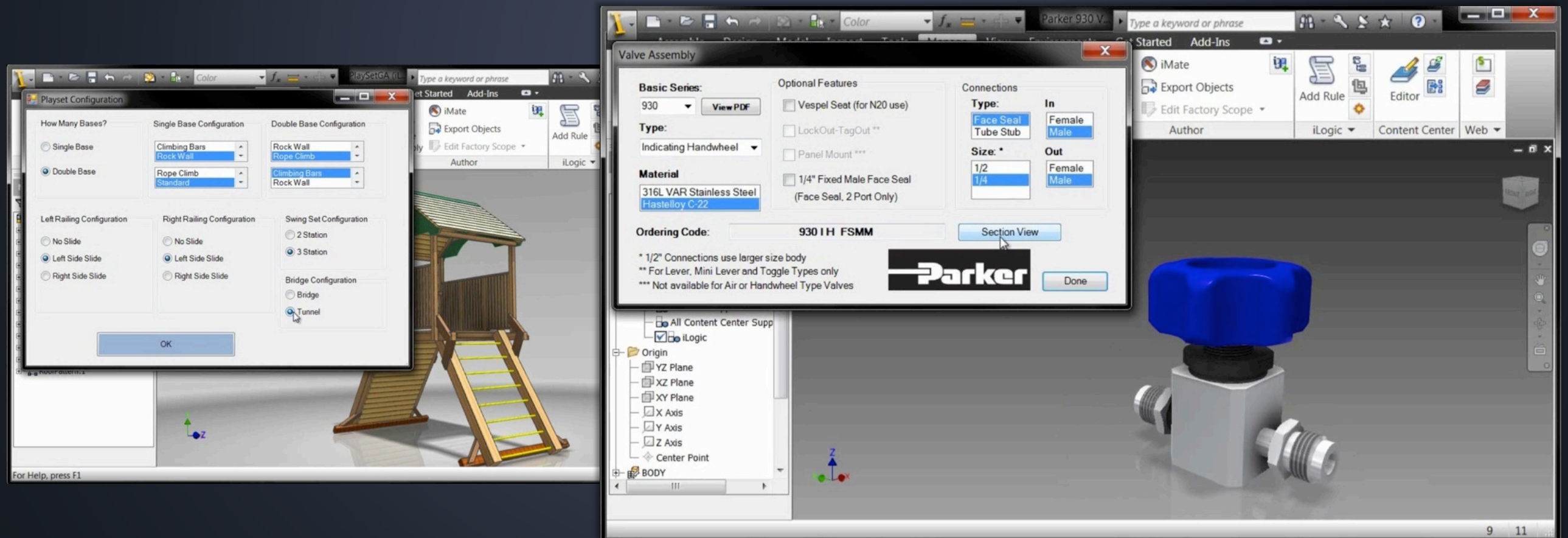
Engineering Design Productivity

Design better products using 3D models. Inventor software offers a wide range of tools to simplify the transition from [2D to 3D](#) design and helps users become productive immediately.



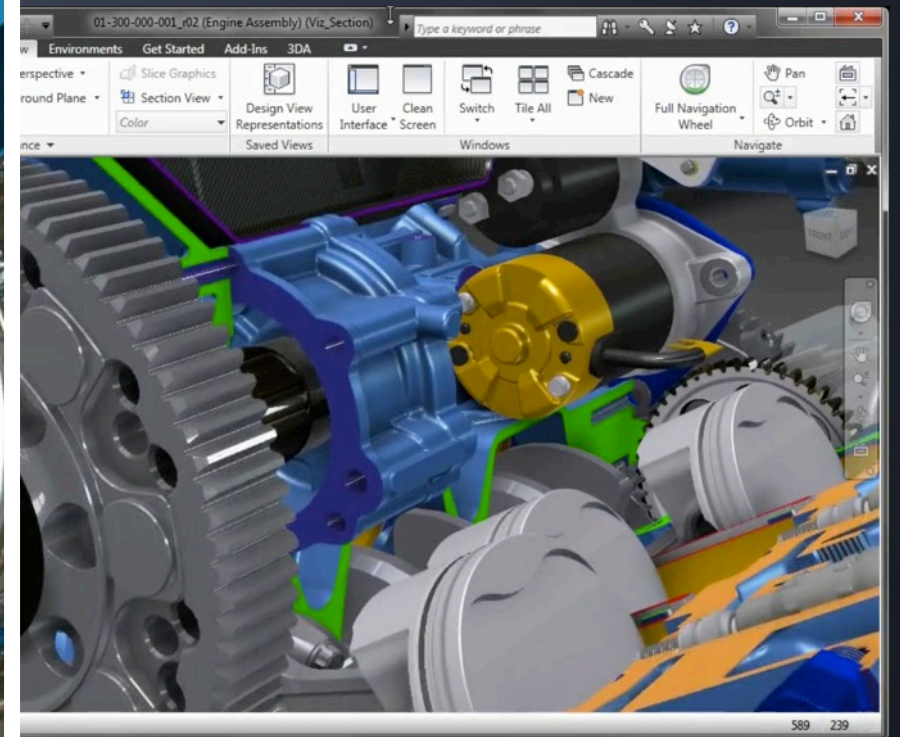
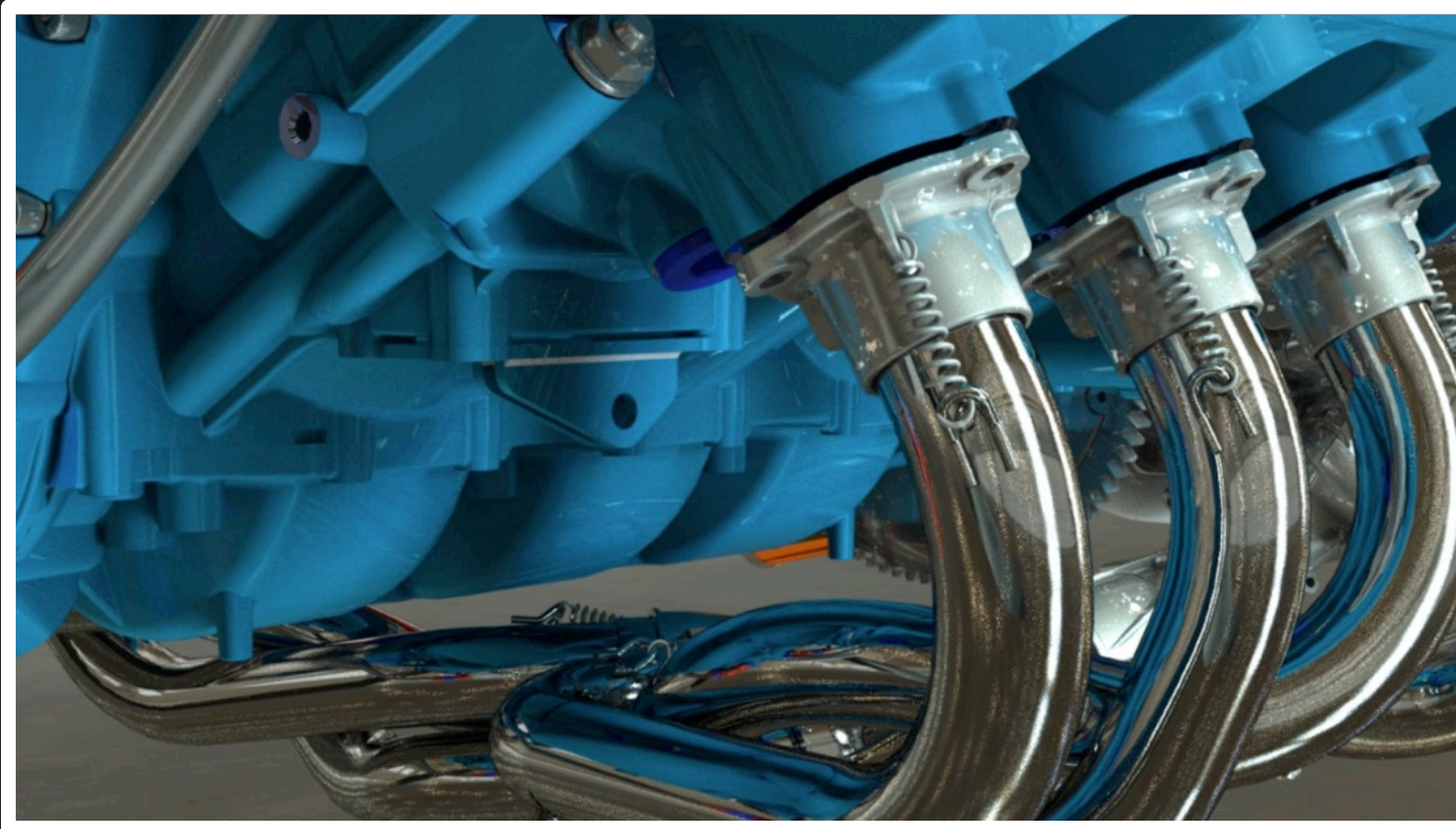
Design Automation

Rules-based design and automation tools help accelerate the design process by automating common tasks, enabling users to focus on design intent rather than on manually modeling geometry.



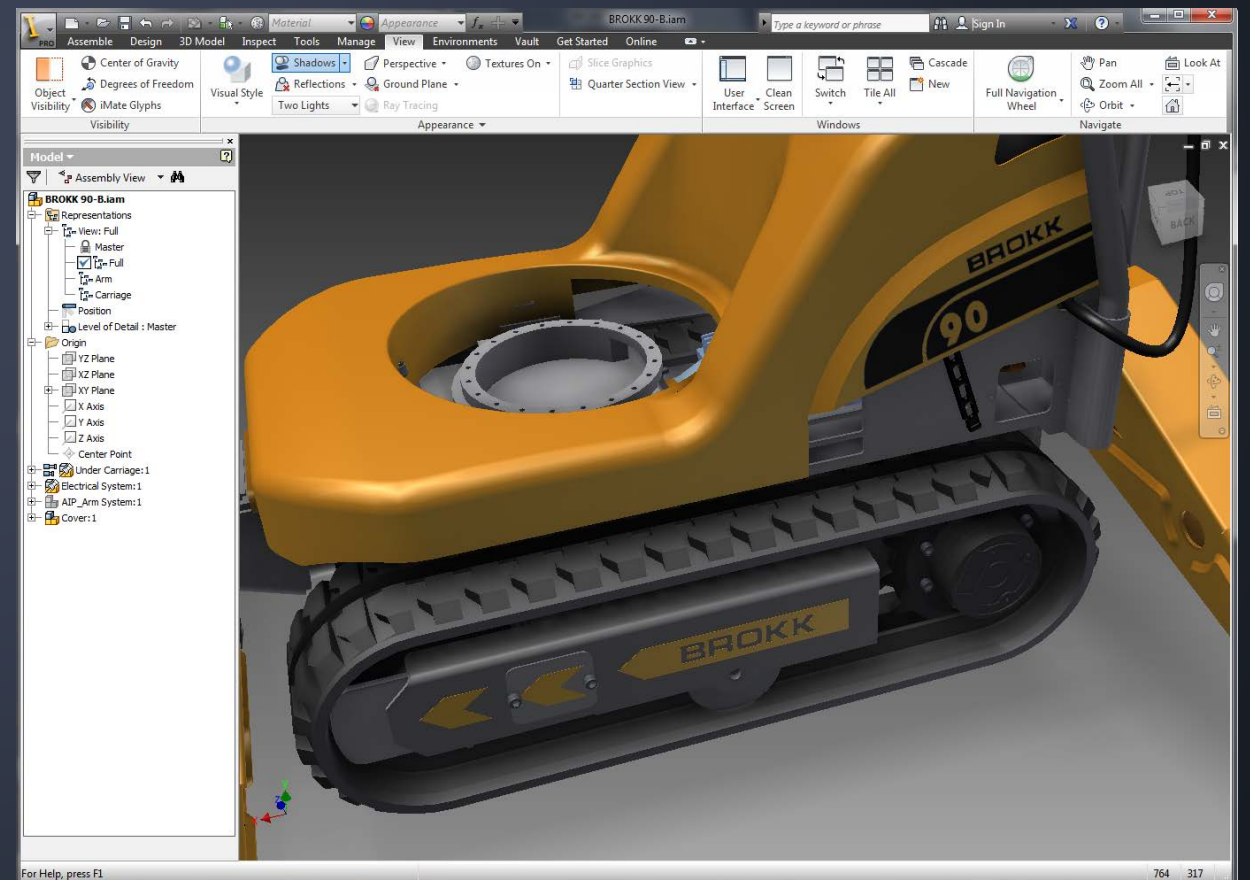
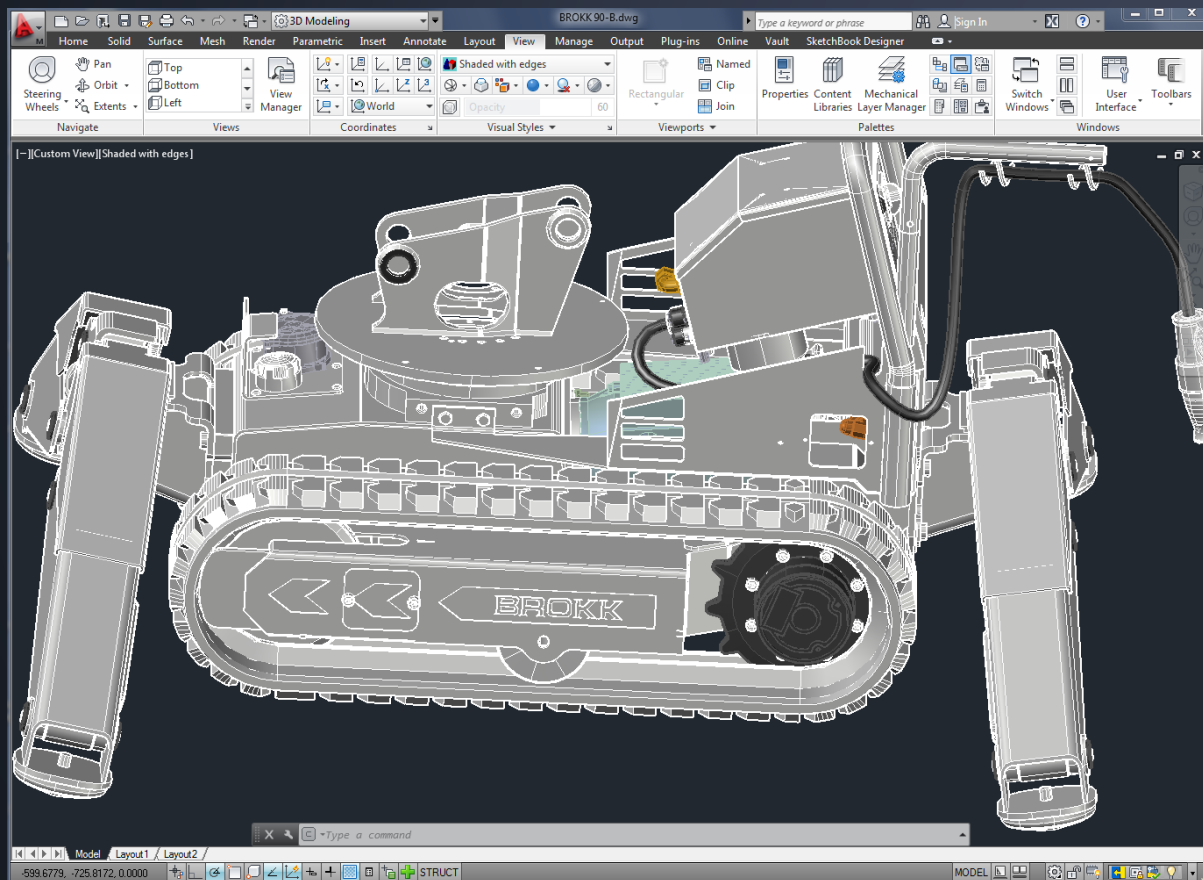
Industry-Leading Visualization

Autodesk® Inventor® software provides industry-leading visualization, illustration, and animation tools directly in the default workspace, giving you a realistic representation of your design at all times.



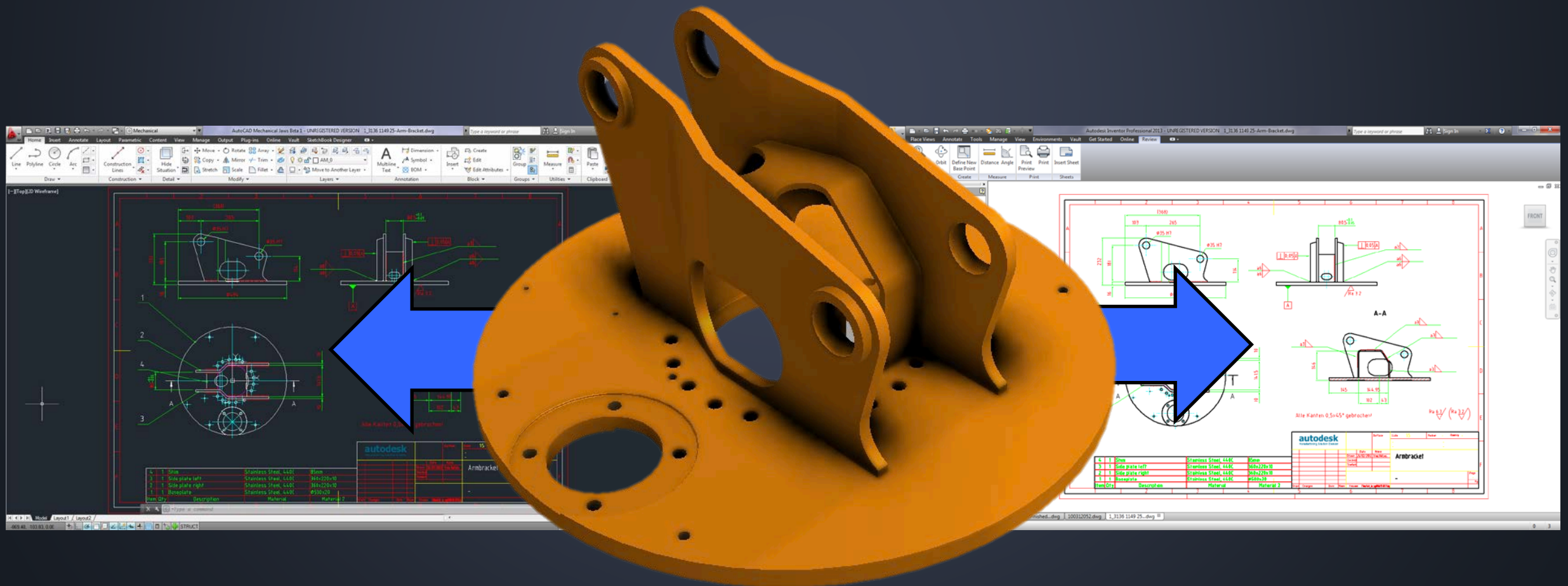
Efficient Design Asset Reuse

Autodesk Inventor maximizes reuse of valuable design assets through a comprehensive set of translators that read and write files from other CAD applications.



Drawings and Documentation

Autodesk enables you to choose, AutoCAD® or Inventor® to generate documentation from a validated digital prototype to reduce errors and deliver designs in less time



Easy-to-Use Simulation

Autodesk® Inventor® Professional software provides the ability to optimize and validate product performance before the product is built.

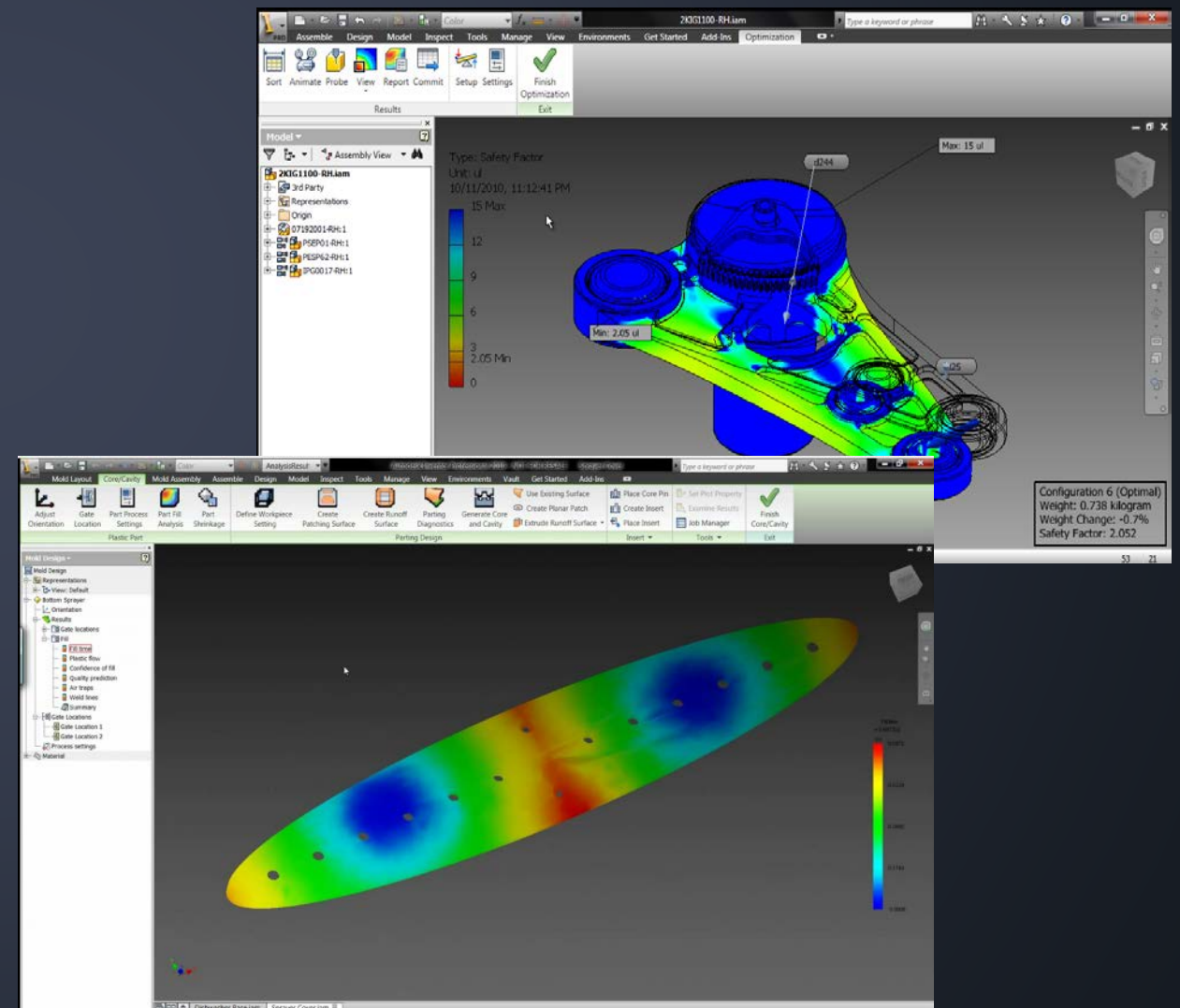
Features:

Motion simulation

Frame analysis

Finite element analysis (FEA)

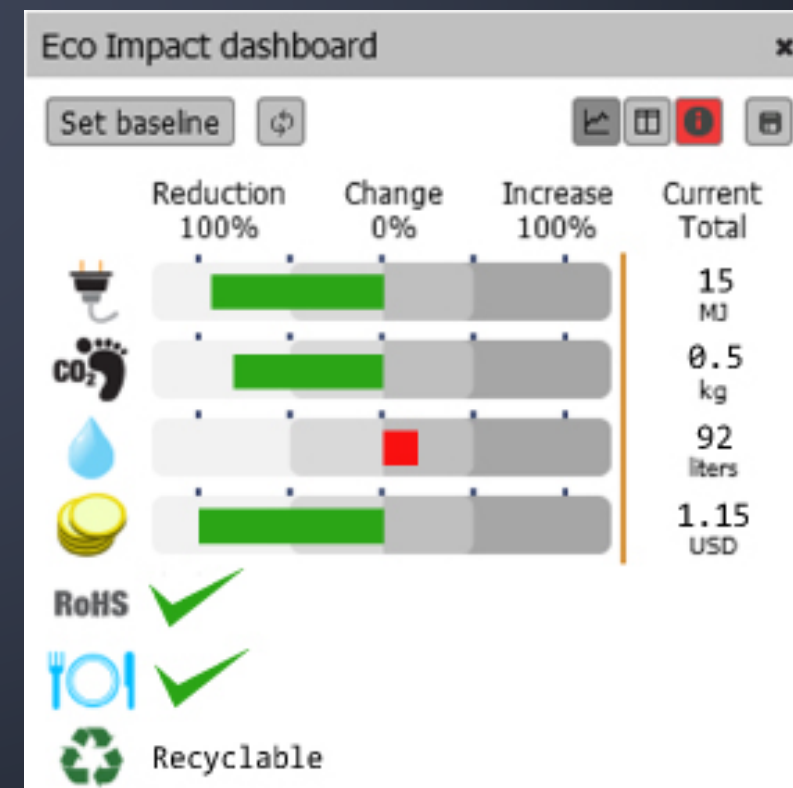
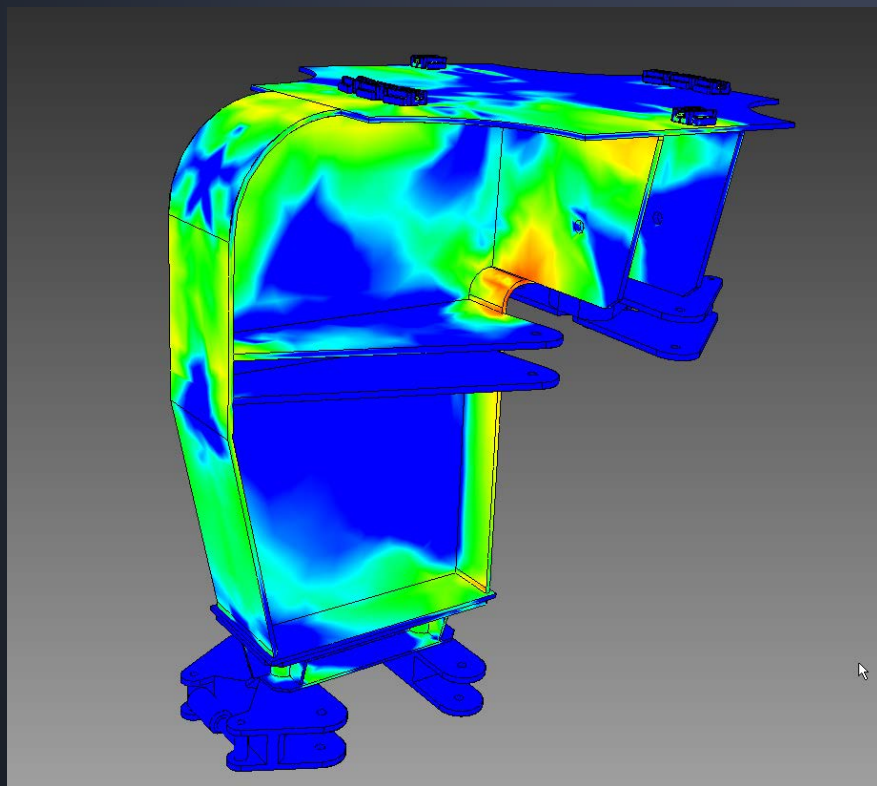
Plastic injection molding



Building More Sustainable Products

Easily understand and improve the environmental impact of design choices

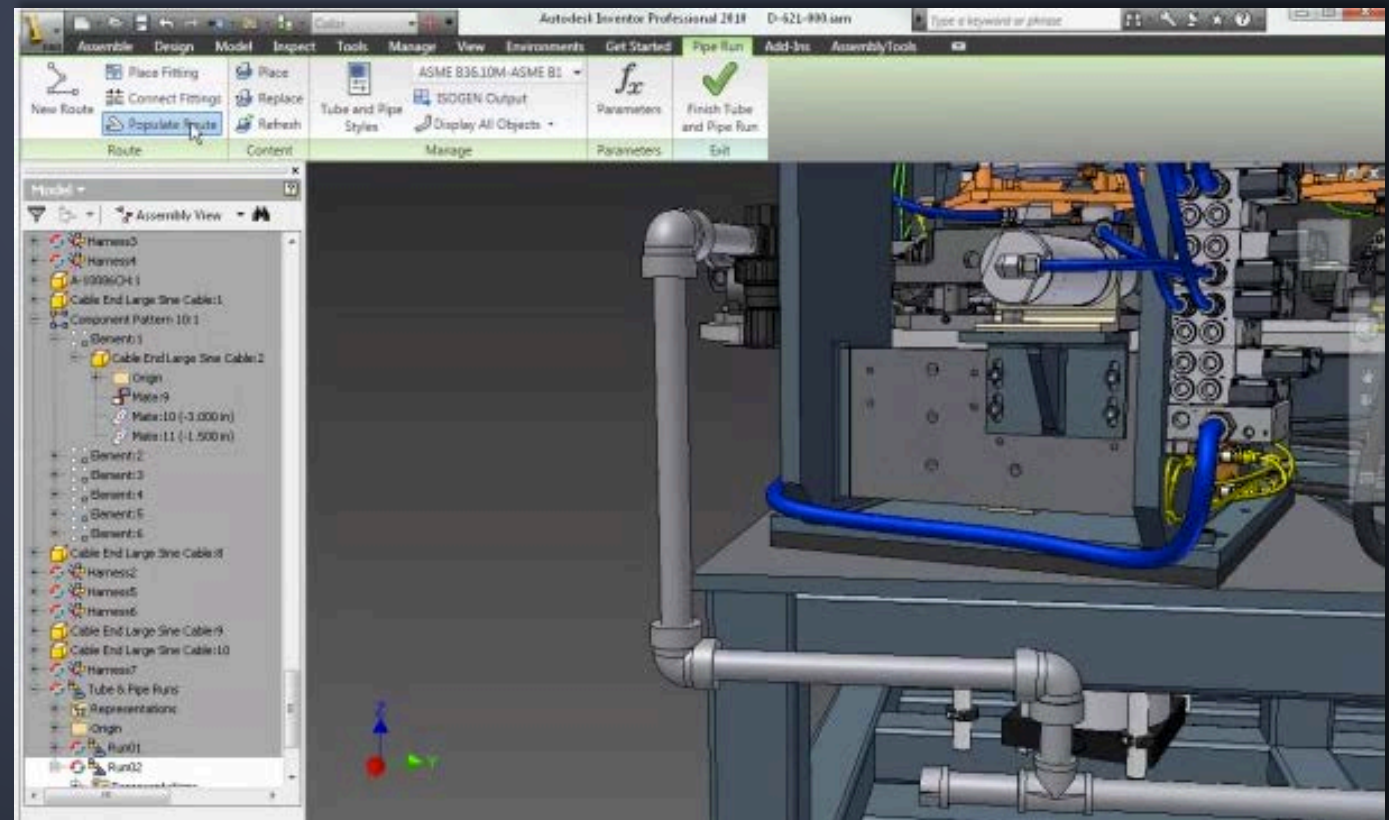
- Balance cost, performance and environmental impact of material choice
- Minimize material usage and develop lightweight product designs
- Accurately size motors and other product elements



Complete Design

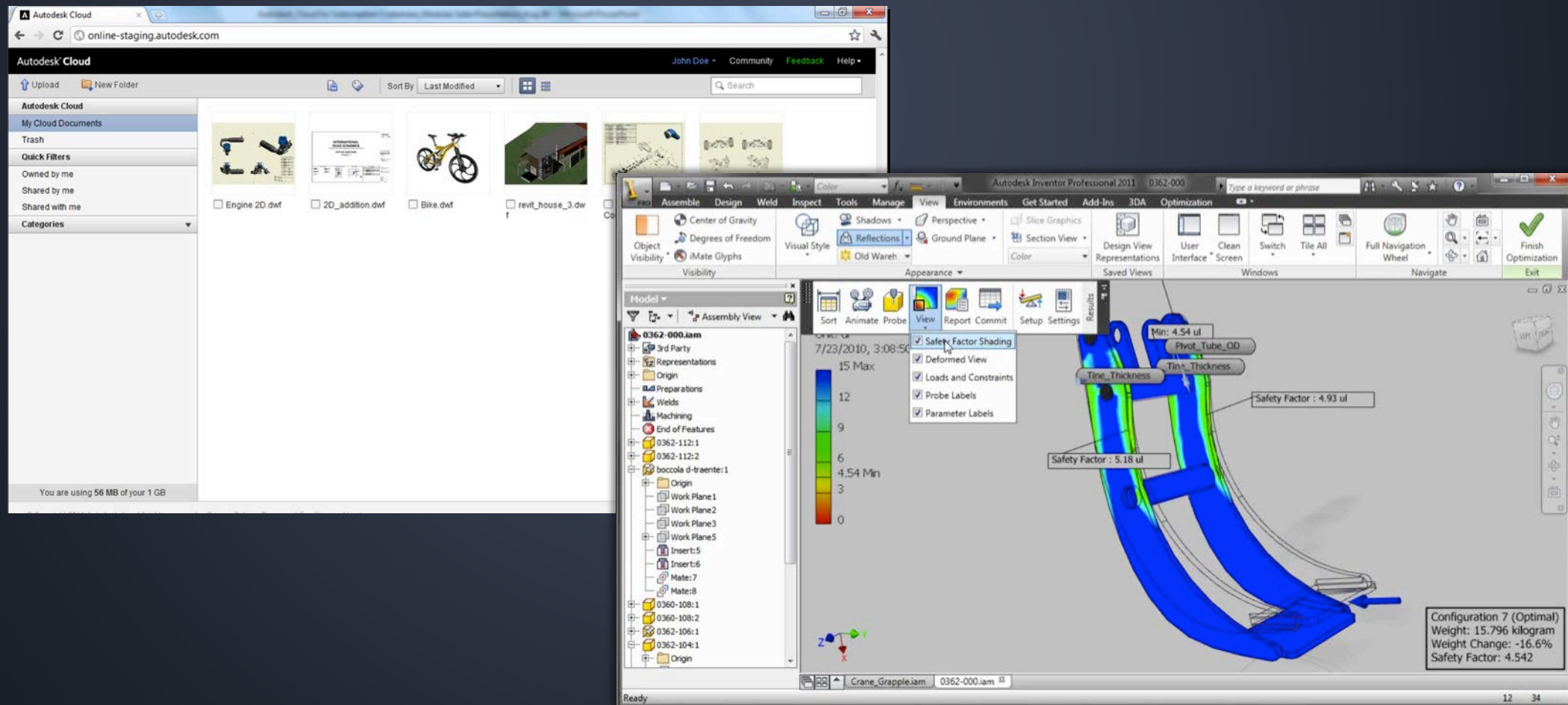
Autodesk Inventor Professional software offers all the core features of Autodesk Inventor, plus extended tooling, routed systems, and simulation tools to design, visualize, and simulate complete 3D digital prototypes.

- Frame Generator
- Cable and Harness
- Tube and Pipe Routing
- Plastic Part Design
- Sheet Metal
- Injection Mold
- And More...



Autodesk® 360 & Autodesk® Subscription

Autodesk® Subscription now gives you a greater advantage with Autodesk® 360 is a cloud computing platform that helps customers dramatically improve the way they design, visualize, simulate, and share their work.



Integrated Data Management

Autodesk Inventor software is preconfigured to integrate with Autodesk® 360 Vault centralized data management software, which enables workgroups to securely store and manage work-in-progress design data and related documents.

The screenshot displays the Autodesk Inventor interface with a 3D model of a blue and yellow power drill. A 'Map Report Data' window is open, showing a pie chart of material usage. The pie chart data is as follows:

Material	Percentage
ABS Plastic	27.3%
Alloy Steel	9.1%
Nylon-6/6	9.1%
Rubber	9.1%
Default	9.1%

A 'Copy Design' dialog box is also open, showing the following details:

- Copy Design From:
- Copy Design To:
- Revision to Copy: Latest (Non-Released Biased)
- Update part number for copied files
- File list table:

File Name	Revision	New File Na...	Vault Path	File Status
Bogie Assy - V2_wiz_{A395C...		Bogie Assy - ...	\$/Designs/Bo...	Reuse
EHF30-D616Y-Y4.iam	A	EHF30-D61...	\$/Designs/	Reuse
001M012R040NG.ipt	A	001M012R04...	\$/Designs/	Reuse
062W012----NG.ipt	A	062W012----...	\$/Designs/	Reuse
301F004R---NG.ipt	A	301F004R---...	\$/Designs/	Reuse
222E012R004NG.ipt	A	222E012R004...	\$/Designs/	Reuse

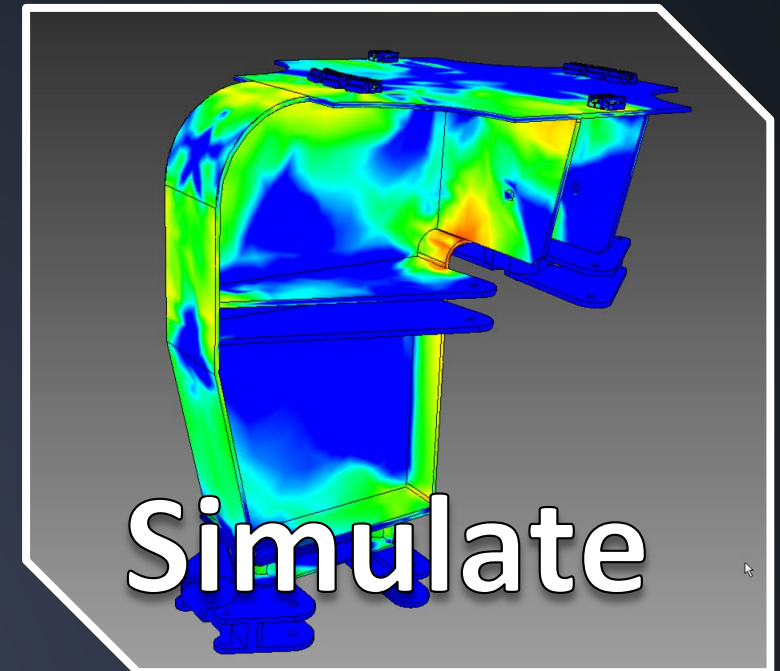
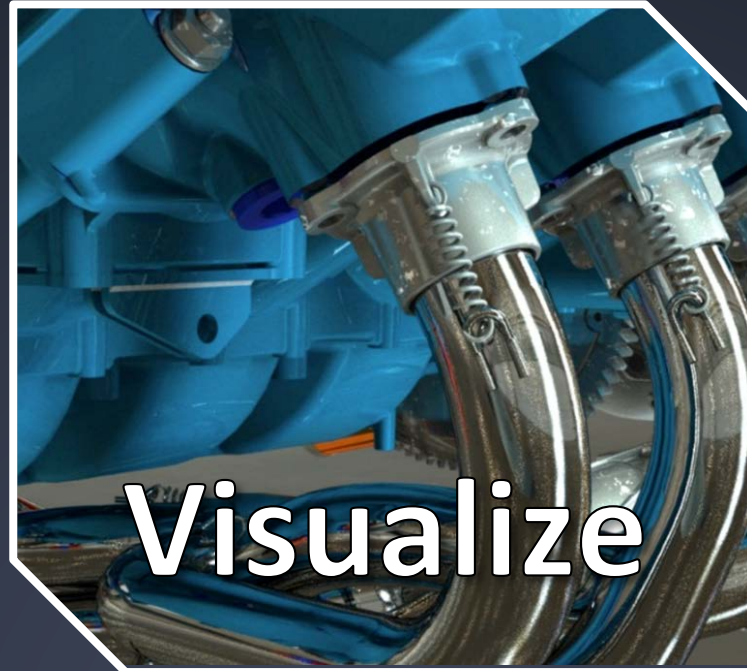
The current file will be reused in the new design.

Naming Scheme:

- Prefix:
- Increment
- Suffix:

Preview:

Buttons:



Digital Prototyping with Inventor software products helps companies:

- Design better products
- Reduce development costs
- Get to market faster

Inventor Feature Comparison

Feature	Autodesk® Inventor LT™ 2013	Autodesk® Inventor® 2013	Autodesk® Inventor® Professional 2013
Native DWG™ Compatibility	✓	✓	✓
BIM Interoperability	✓	✓	✓
Includes Inventor Fusion	✓	✓	✓
In-Product Data Management		✓	✓
Digital Prototyping	✓	✓	✓
3D Mechanical Design	✓ (Part level only)	✓	✓
Direct Manipulation	✓	✓	✓
State-of-the-Art Visualization	✓	✓	✓
Large Assembly Design		✓	✓
Automatic Bill of Materials		✓	✓
Over 1 Million Standard Parts		✓	✓
3D Design Automation Tools		✓	✓
Rules-based Design		✓	✓
Sheet Metal Design	✓ *	✓	✓
Plastic Part Design		✓	✓
Complete Plastic Mold Design			✓
Tube & Pipe Design			✓
Cable & Harness Design			✓
Dynamic Simulation			✓
Finite Element Analysis			✓

How Do I Buy Autodesk Inventor Software?



Autodesk® Design Suites provide:

- One of the most comprehensive and sophisticated set of tools to design, visualize, and simulate ideas and win more business.
- Compelling, cost-effective value by delivering a compatible set of tools in one economical and convenient purchase.
- More technology readily accessible to an individual in an organization, providing the flexibility to innovate and more easily respond to changing business requirements.

Image courtesy of Brimrock Group Inc. and Mechanix Design Solutions Inc.

Autodesk Subscription

Discover the Subscription Advantage

Autodesk® Subscription gives customers an advantage with:

- More cloud computing capabilities and capacity
- Upgrades to the latest software releases
- Online technical support
- Flexible licensing privileges



Learning and Education

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- Increase your competitive edge
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More information at www.autodesk.com/learning



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