



Design Industrial Machinery for new possible

Industrial Machinery for better world

Achieve better outcomes for your products, businesses, and the world with intuitive, powerful, and accessible technology that connects every detail of your design and make process.

Autodesk empowers innovators to create smarter, more reliable machinery for your customers.

Connect Data, Discipline and Processes

Collaborate with Connected Data

Easily find the information you need. Connect with your colleagues, clients, and supply chain with a single, secure data model. Always know who's responsible for the next step in your design cycle. Automatically maintain an audit trail of decisions and their impact.

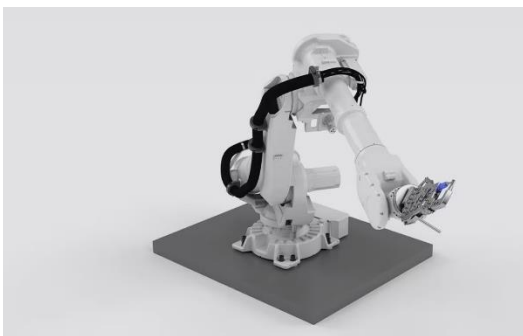


Automate to drive growth.



Improve quotation speed and accuracy using your existing CAD models to create sales configurators. Streamline everyday tasks to focus design and engineering time on creating innovative solutions. Automate manufacturing data preparation with BOM, nesting, and CAM in a single environment.

Improve Operational Efficiency



Bring together design and manufacturing using common CAD models to program CNC machines. Design fixtures and create toolpaths before engineering data is released – any changes automatically update CAM. Efficiently utilize production capacity across multiple machines and sites with standardized NC creation.





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Solutions for Industrial Machinery

Data and Process management

Secure and control your intellectual property. Collaborate with your internal and external colleagues. Manage and track decision-making to automatically maintain your audit trail.

2D and 3D drawing and modelling.

Use 2D and 3D side-by-side. Convert 2D drawings into associative 3D models. Make associative 2D drawings from 3D models and share as industry standard DWGs.

CAD Interoperability

Reference CAD data, and consume updates made by authoring CAD tool. Seamlessly exchange CAD data from virtually any source while maintaining data integrity.

Mechanical Design

Discovery professional-grade 2D and 3D CAD for design and engineering, including simulation tolerance analysis, nesting, CAM, and production work cell design with factory planning.

Tolerance Analysis

Improved quality, avoid excessive machining operations, reduce variation, and improve collaboration between engineering and manufacturing, with easy analysis and reporting of component tolerance stack-ups.

Simulation

Predict, validate, and optimize your designs with accurate, trusted analysis – including mechanical (FEA), computational fluid dynamics (CFD), plastic injection molding, composite materials, and manufacturing simulations.

Design automation and configuration

Automate repetitive tasks. Capture and reuse engineering knowledge with a custom product configurator. Work more efficiently and create time to focus on imagination and innovation.

Advanced Manufacturing

Make anything you want; however, you want to make it. Unlock advanced capabilities for machining, additive manufacturing, generative design, nesting, and fabrication.

Production system & work cell design

Minimize risk and maximize efficiency for production system and work cell design, from point cloud scanning and clash detection to production line simulation and installation sequence



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Use Cases













	Inventor	AutoCAD	3DS Max	Fusion 360	Vault	Fusion Teams	Fusion 360 Manage	Navisworks	Revit	Construction Cloud	Factory Design	Recap
Configure your design and manage and track RFPs (Win More bids)	✓				✓		✓					
Design and communicate your solution	✓	✓	✓	✓								
Engineer and simulate your designs	✓			✓								
Manage and coordinate your on-premises product data					✓							
Implement NPI, Quality Management & Customer Service							✓					
Visualize your designs (Rendered Images/CGI/VR)	✓	✓	✓	✓				✓	✓			
Create & manage manufacturing data (BOM, Drawings, Nesting + CAM)	✓			✓	✓		✓					
Plan, Coordinate and optimize the manufacturing process	✓	✓						✓			✓	
Manage and coordinate your product data with your extended supply chain						✓	✓					
Examine and incorporate real world building / equipment conditions												✓
Use clash detection to prevent problems during site installation				✓				✓		✓		
Create BIM content	✓	✓							✓			
Open & View building models & drawings from building owners & stakeholders										✓		
Coordinate your design with collaborators & receive approval from stakeholders		✓		✓	✓			✓		✓		



Design Industrial Machinery for new possible

The Autodesk Product Design and Manufacturing Collection is a comprehensive set of software tools designed to help industrial equipment manufacturers streamline their design and manufacturing processes. Whether you're designing complex mechanical components or producing large-scale assemblies, the collection has everything you need to create high-quality products more efficiently.

What's included in the collection.

	Inventor	Professional-grade 3D Mechanical design, documentation, and product simulation tools
	AutoCAD	Draft and edit 2D geometry. One AutoCAD (Mechanical, Electrical, Plant 3D, Raster Design)
	Fusion 360	Connect your entire product development process in a single cloud-based platform
	Inventor Nastran	FEA tools for engineers and analysts including nonlinear, thermal, fatigue, and dynamic simulation capabilities
	Inventor CAM	2.5-axis to 5-axis milling, turning, and mill-turn CAM that is integrated in Inventor
	Inventor Nesting	CAD-embedded, true-shape nesting software that helps you optimize yield from flat raw material.
	Tolerance Analysis	Optimize manufacturing tolerances based on cumulative dimensional variation
	Recap Pro	Register, mark up, and measure reality capture data that is ready for further design in 2D and 3D applications
	Factory Design	Plan and validate factory layouts in both 2D and 3D for efficient equipment placement to improve production performance.
	Navisworks Manage	Holistically review integrated models with stakeholders for architecture, engineering, and construction.
	3ds Max Design	3D modeling and rendering for photorealistic imagery and virtual reality experiences
	Vault Basic	Organize design data, manage documentation, and track versions

Want to know more about our solutions?

Give us a call on **+91 99404 95243** to know more.

