

# Autodesk for Building Product Manufacturing



## USE CASES

	I INVENTOR®	A AUTOCAD®	3 3DS MAX®	F FUSION 360	V VAULT	F FUSION TEAM	F FUSION LIFECYCLE	N NAVISWORKS®	R REVIT®	B BIM 360	F FACTORY DESIGN UTILITIES	R RECAP® PRO
Configure your designs (Win more bids, maximize quotation accuracy and quotation speed)	✓											
Create BIM content (Proactively market your products)	✓								✓			
Open and view building models and drawings from AEC stakeholders										✓		
Examine and incorporate real-world building conditions												✓
Design and communicate your solution	✓	✓	✓	✓								
Engineer and simulate your designs (Nastran, generative design, and tolerance analysis)	✓			✓								
Coordinate your designs with collaborators and receive approval from AEC stakeholders								✓		✓		
Manage and coordinate your on-premise product data					✓							
Manage and coordinate your product data with your extended supply chain						✓						
Implement NPI, quality management, and customer service (Servicing and maintenance)							✓					
Create manufacturing data (BOM, drawings, nesting, and CAM)	✓			✓								
Plan, coordinate, and optimize your manufacturing process	✓	✓									✓	
Use clash detection to prevent problems during site installation								✓		✓		
Visualize your designs (Rendered images, CGI, and VR)	✓	✓	✓	✓				✓	✓			

## PRODUCTS

<b>I</b> INVENTOR®	Design and engineer your products in 3D and optimize possibilities
<b>A</b> AUTOCAD®	Ideate, design, and communicate your product in 2D
<b>3</b> 3DS MAX®	Communicate design intent to customers and create photorealistic marketing materials directly from your products
<b>F</b> FUSION 360	Explore possibilities with generative design and program fabrication
<b>V</b> VAULT	Securely manage data in one central location, track revisions, and enable team-wide collaboration
<b>F</b> FUSION TEAM	Collaborate online between product design, manufacturing teams, and supply chain
<b>F</b> FUSION LIFECYCLE	Effectively manage critical business processes for quality, change, and product maintenance
<b>N</b> NAVISWORKS®	Aggregate 3D CAD, BIM, and point cloud data for project coordination, installation sequencing, and scheduling
<b>R</b> REVIT®	Create BIM objects and Revit families for your product lines
<b>B</b> BIM 360	Share your building solution and product data in real-time, from concept through construction, increasing communication with clients
<b>F</b> FACTORY DESIGN UTILITIES	Create 3D models from imported laser scans and output a point cloud or mesh ready for CAD and BIM authoring tools
<b>R</b> RECAP® PRO	Create your digital factory model with specific production-process tools