

Product Design & Manufacturing Collection for Plastic Part and Mold Design

Streamline your Plastic part design-through-Part to Mold Design workflow with one software package. The Product Design & Manufacturing Collection allows you to connect your Existing or Conceptual design workflows so you can create, modify, and validate your plastic part designs accordingly makes your Mold design.

Managing Plastic part Rules for Improved Productivity

Inventor Professional[®] or Fusion360[®] software, included in the Product Design & Manufacturing Collection, makes managing Plastic part design rules easier for improved productivity. A variety of tools of Modeling such as Direct, Freeform & Surfacing features are included to speed up your Plastic part design.

01. Import Common CAD data with AnyCAD[®]

With the help of Benchmark AnyCAD technology easy import of Non-Native CAD file formats without hindering your

comprehensive Data. Options includes directly converting to Autodesk file formats or working within Reference file format without conversion of actual file formats.

02. Derive Data from an Imported Model

With the Product Design & Manufacturing Collection, you can derive your Data such as Vertices, Splines, Points & Surfaces with single click option.

03. Initiative Inspections tools for Moldability

When Plastic part design is ready with Initiative manufacturing ability, Able to Inspect with Draft, Curvature, Zebra & Surface analysis tools within Inventor Professional[®].

04. Simulate Plastic part design for Injection Molding

Tools inside of Fusion360[®] allow you to quickly simulate your part to check Fill time, Warpage & Visual defects.

Plastic Part Design Tools

01. Freeform

Ease control of Surfacing techniques to manage Splines, Vertices & points to control shape of class A surfaces for achieve better aesthetics of design.



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02. Class B surfaces Design

Varieties and controlled Fillets are available to achieve desired smoothness of class B surfaces. Shell & Thicken commands ensure class B surfaces to achieve part Manufacturing ability.

Manage your Mold Design Process

Now you can make your Mold Design within pre-set templates in Inventor Professional®. It allows Automatic generate Mold assembly as well Mold parts level Drawing with BOM & Balloons even customize part number as per IS standards.

Mold Assembly Design

With Import of plastic part in Mold design templates Inventor allows you directly create whole Mold assembly. Able to generate Core & Cavity with Gates & Runner to Mold Base & complete considerations for Mold design makes & choose standards required for every components of Mold.

01. Automated Drawing Generation

Generate Automatically multiple Drawings of Mold assembly as well parts with single click option.

02. Collaborate Part Design with Mold Design

Changes in Part level design directly reflect to Mold design. Easy to manage changes in Mold design as well.













Frequently Asked Question

How can PDMC help in Plastic part Design to Production?

The Product Design & Manufacturing Collection software includes direct editing and advanced surface modelling features designed to dramatically reduce the time typically necessary for highly accurate designs. Validate Design with Injection Molding simulation for Pre-Mold design considerations. Mold design templates makes your Mold assembly with standard selection of each components and generate Drawings automatically with BOM.

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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 Autodesk Product Design and Manufacturing Collection?

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

