Autodesk®
Inventor® Tooling

A Specialized Solution for the Injection Mold Industry.

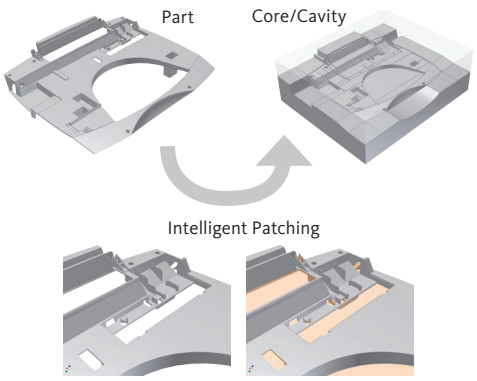
Autodesk® Inventor® Tooling provides a comprehensive set of automated tools that leverage a digital prototype to quickly create and validate complete mold designs, reducing errors and improving mold performance.

Autodesk® Inventor® Tooling Features Include:

- Comprehensive import capabilities
- Data clean-up and preparation Tools
- Draft Analysis
- Moldflow® Analysis tools for
  - Shrinkage
  - Process settings
  - Gate Positioning
  - Mold Filling
- Moldflow® Plastic Material Library with over 8000 materials
- Automatic or user-driven patching and parting surface generation
- Automatic Core and Cavity Splitting
- Flexible Layout
- Automatic or manual runner design
- Gate design using library of pre-defined types
- Cooling circuit design with fittings library
- Comprehensive mold base library of international vendors
- Ejector placement with automatic trimming
- Sophisticated slider and lifter design
- Standard mold components, like sprue bushings, locating rings, cooling components, with intelligent placing with Boolean operations
- Automatic generation of Drawing Sets and BOM

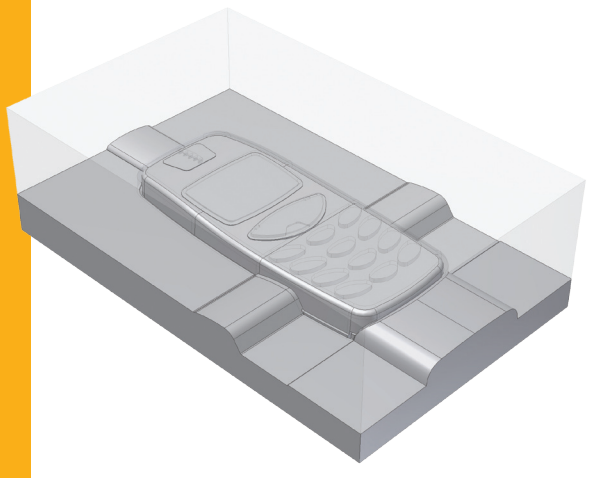
Streamline the design of plastic injection molds

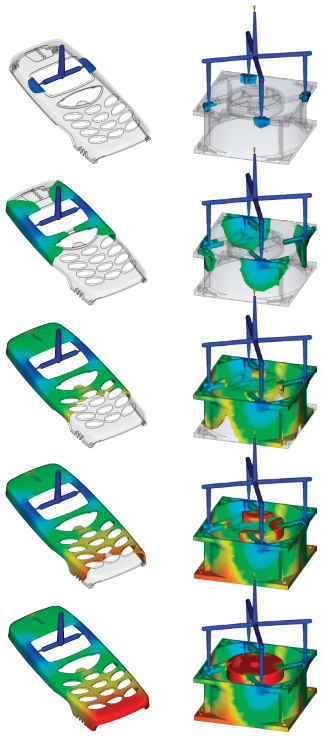
Autodesk Inventor Tooling software includes easy-to-use mold design features that work directly from Inventor 3D models of plastic parts. Full associativity to the Inventor digital model helps ensure that any changes to the model are automatically reflected in the mold design. Inventor guides you through the mold design process and automates a number of complex operations, such as patching openings and runoff/shutoff surface generation. The result is higher quality products and faster time to market.



Simulate and optimize your mold design before machining

Powered by Moldflow® plastic flow analysis tools, Inventor can determine material flow rates, ideal gate locations, shrinkage, and process parameters. Mold analysis allows you to optimize your design and minimize the number of mold iterations, saving time and money.





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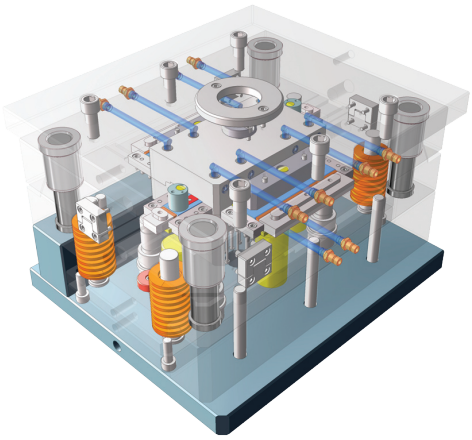
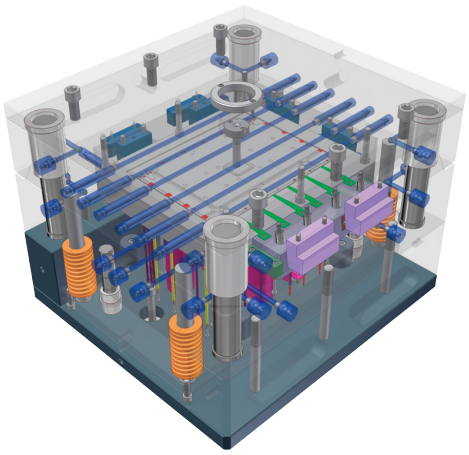
Leverage standard mold base components

Autodesk Inventor Tooling software provides an extensive collection of vendor catalogs of standard mold bases and components such as DME, Futaba, HASCO, LKM, Pedrotti, Polimold, Rabourdin, and Strack. You'll work more efficiently by referencing standard components and predefined mold base assemblies combined with core and cavity elements specific to your plastic part.

Automatically generate mold documentation

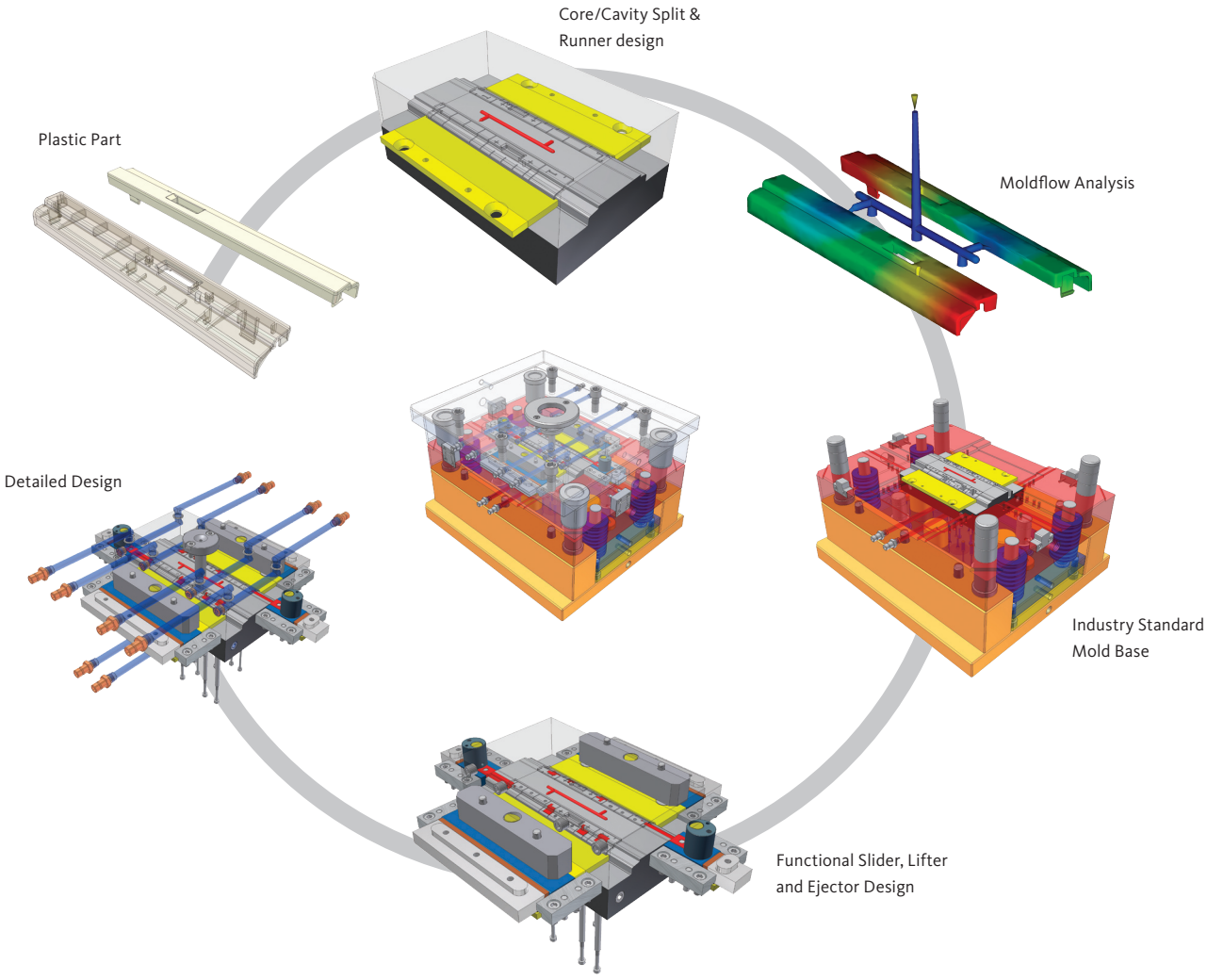
When your mold designs are complete, Inventor software uses your validated digital model to automatically generate the related engineering drawings and bills of materials (BOMs). Because the Inventor model is fully associative, any change to the design is automatically updated in the drawings and BOMs.





A complete solution that is easy to use

With its intuitive mold design workflow, Autodesk Inventor Tooling guides you through the mold design process in a way that is natural for the experienced user, while at the same time supportive for the novice. The built-in mold design wizard provides additional user guidance, further explaining the various steps of the workflow making it easy to follow for even the most inexperienced user.



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