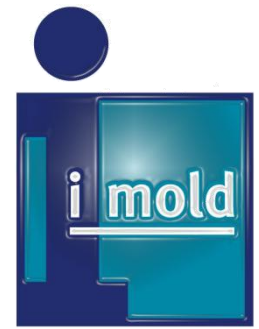


IMOLD™ V9



Automatic Core & Cavity Building



1-Click Splitting

IMOLD 1-Click Splitting leverages the powerful functions within Core Cavity Builder, allowing you to quickly and easily extract core and cavity of the product in one mouse click.

1-Click Splitting does justice to its name. As soon as you click the button, it scans your product and automatically searches the parting lines, defines the parting surfaces, patches holes/fitting areas, creates run-off area and cut with the insert to form both the core and cavity. A status window is displayed during the operation to keep you informed of its progress. And when the automation is finished, all you have to do is proceed with other mold design processes.

The 1-Click Splitting icon is placed on your CCB toolbar so that you can run an automated splitting on your product quickly and easily.

EDM Electrode Die-Sinking Design



EDM

The EDM is an automated module for designing and managing electrodes and their holders to assist the manufacturing of detailed and hard to machine features on molds and press tools.

Electrode design can be one of the most complex and time consuming tasks for any mold or die maker. The EDM offers a solution for reducing the design time. Even the most experienced electrode designer will benefit from the knowledge-driven automation provided by IMOLD.

The EDM makes it easy to design 3D solid electrodes from flexible surface extensions. The EDM offers an easy to follow, step-by-step process and addresses all of the common types of electrodes to the most complex ones.

Advanced Parting Surface Definition



Parting Surfaces (Flexible)

This new function allows you to flexibly define and tag cavity, core and sidecore surfaces by draft angles, appending existing faces and seeding from the workspace.

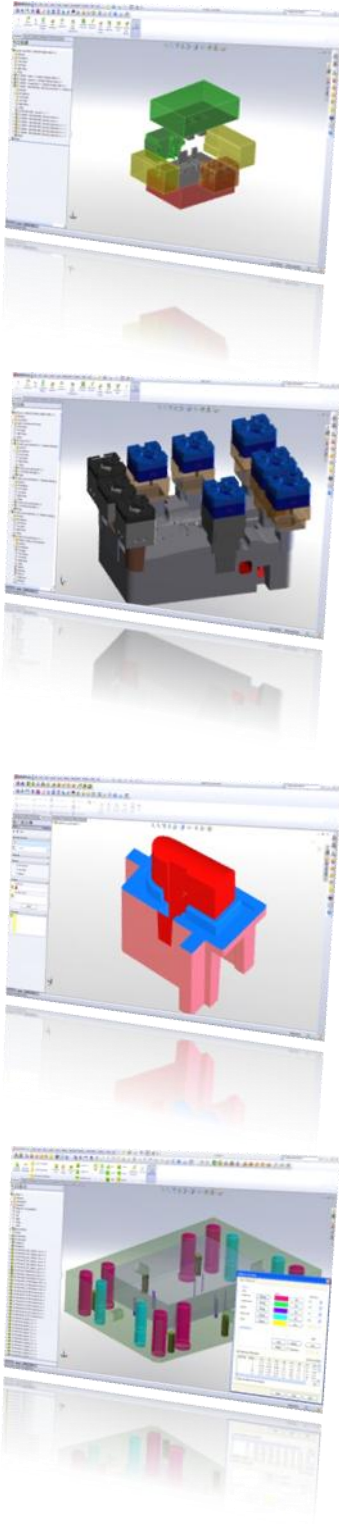
Combining Core Cavity Builder functions in RMB (Right Mouse Button) shortcut menus, enabling you to select the faces of the same color and select adjacent parting lines. This will also allow to select partial parting line loop by select start/end vertex or parting in advance. You can click on the RMB and select faces connected by the same color in the same body and define them as core, cavity or sidecore faces.

Mediating Manufacturing

Hole Definition

Part planning is a key element in determining which and what machining strategies to use. This new function allows you to tag colors and tolerance to hole pockets. You can specify different colors for different components.

This will assist the shop floor to adopt the right machining strategies and templates when approaching different types of pocket holes.

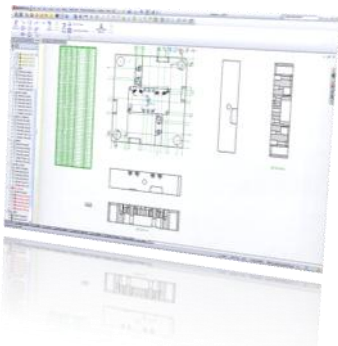




More Components

From the moment it launched, IMOLD Component Gallery didn't just break new ground. It redefined how we add components. IMOLD V9 added components from vendors like Punch Industry, Nikkata and more.

If you the component is not in the Component Gallery, you can easily Customize your own or import components into the library with the tools available.



Hole Charts

Hole Charts in drawing documents measure the position of holes in view from a specified or default origin datum. The program labels each hole with a tag that corresponds to a row in the table.

Other Enhancements

Large Assembly Handling Improvements

Aligned with SolidWorks 2009, IMOLD V9 performance has been improved for very large and complex assemblies.

Feed Designer

Auto blending of runner ends.
Push-pin added to the PropertyManager to ease the adding of gates.

Cooling Designer

Edit 3D cooling sketches easily.

Exporting

Export drawings to PDF and EDM information to XLS formats.

Drawings

Auto-dimension aligning and hole tolerances for part drawings.

Moldbase

Delete moldbase automatically.
Nikkata moldbase libraries.

CCB

Sub-insert flange/shoulder preview for **By Boundary** and **By Sketch** options.
Draft direction for rule surface extensions.

Upcoming Developments

- Improve customizability to accommodate speciality molds:
 - Stack mold
 - Custom components
 - Custom moldbase
- Manufacturing information to assist:
 - Feature recognition.
 - Setup sheets.

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