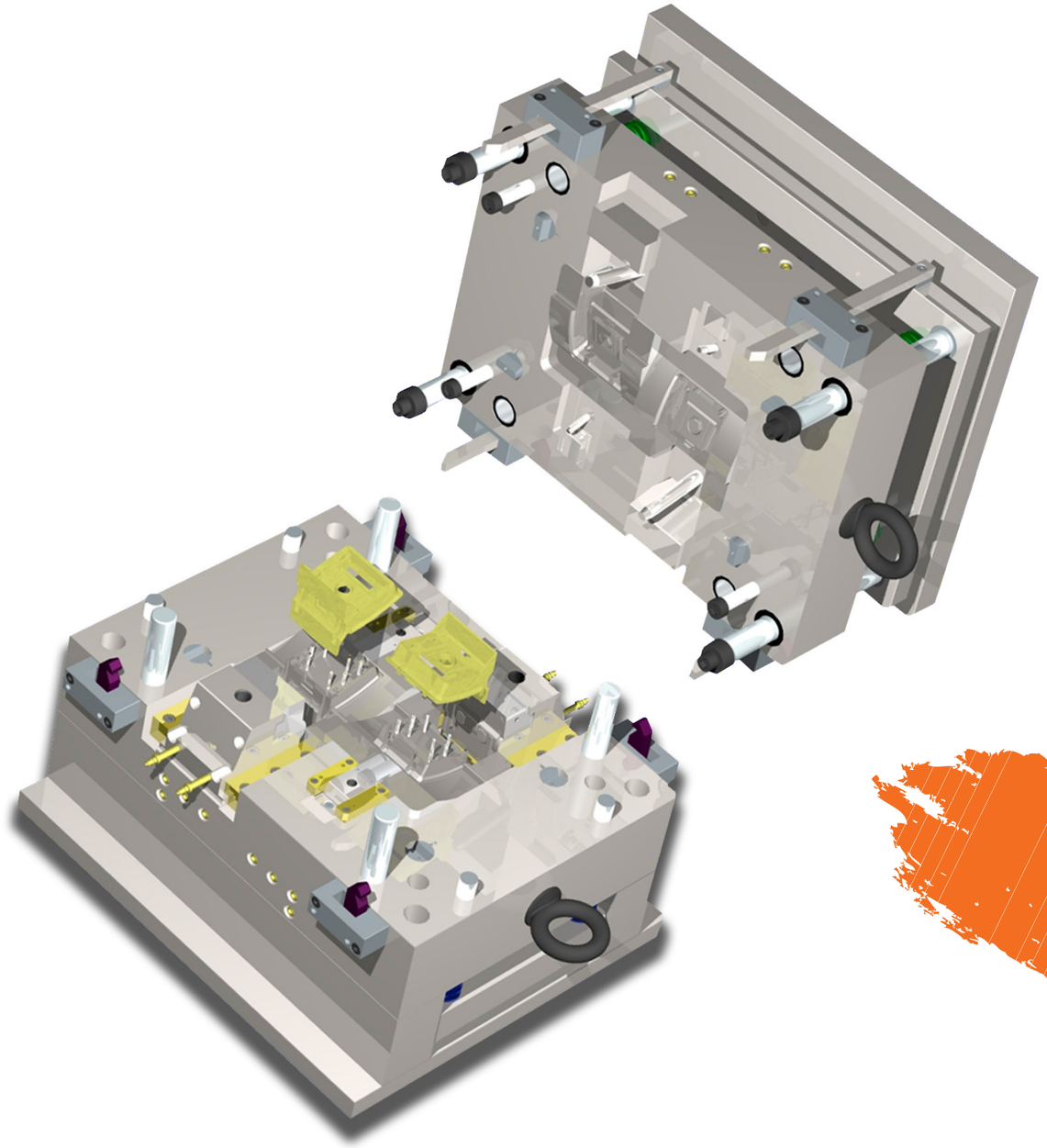

About Manusoft

Manusoft Technologies Pte Ltd develops and markets powerful and easy-to-use 3D computer-aided mold design software for the precision tooling industry with a team of experienced tooling engineers to develop, train and support the solutions that the company offers.

As one of the pioneers in the industry, we continuously strive to maintain the competitive edge by leveraging on our market-driven R&D strengths and establishing strategic ties with the industry partners.

Manusoft places great importance in excellent services to our clientele. Our highly trained support team ensures clients' concerns and feedback are given due support. By keeping the pulse of its clients' needs and consistently improving the quality of products and support services, Manusoft is positioning to lead the industry to the next level.

Manusoft Technologies global sales networks spans across industries in Germany, United Kingdom, Poland, Scandinavia, United States, Japan, Korea, Taiwan, China, India and South-East Asia. We have in place a comprehensive network of qualified and well trained Value added Distributors and Resellers delivering unparalleled services that include handling marketing, sales, distribution, training, technical and consultancy support for our clients.

For more information on Manusoft products and services, visit www.imold.com

Manusoft TECHNOLOGIES

imold

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CERTIFIED
Gold
Product

SOLIDWORKS

Complete Suite of Tools for Mold Design

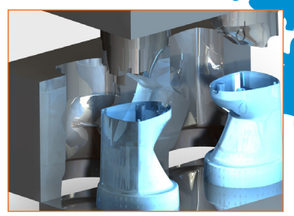
IMOLD® for SOLIDWORKS

Project Control

Project Control provides the menus to manage mold designs. By providing options to input unique part names, specify pertinent customer information and establish part file working directories, IMOLD for SOLIDWORKS provides the options necessary to define and control any mold design project. Part shrinkage for different types of plastic material is also

Core/Cavity Builder

From simple planar parting lines to complex free-form parting lines, the Core & Cavity Builder will work with solid models or surface models to develop parting surfaces, while providing tools to patch and delete holes.



Layout and Feed System Design

IMOLD for SOLIDWORKS performs automatic layout for multiple cavity molds with support for balanced and unbalanced layouts.

For maximum flexibility, individual cavities or impressions can be rotated. The Layout and Feed System Design module even provides for a library of commonly used runner and gate types.

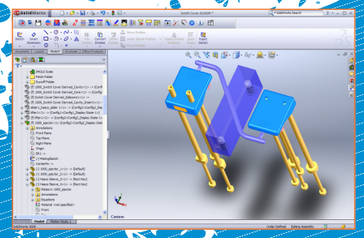
Data Preparation

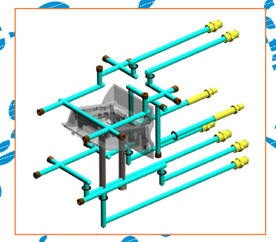
IMOLD for SOLIDWORKS provides an extensive set of data preparation tool to prepare the product model for the mold design. With just a few clicks of the mouse, designers can analyze part moldability, check draft angles, identify part problems, and rotate/translate the part into the

Ejector Designer

The Ejector Design module enables designers to easily add ejector pins to the mold assembly.

This module provides automatic pocketing (for wire-cut and clearance holes), trimming to core surfaces and interference checking with mold components.





Cooling Channel Design

The intuitive user interface of the Cooling Channel Design module enables the creation of fully associative cooling channels.

This module aids the designer in the creation of simple or complex cooling channels while considering actual manufacturing requirements.

The Cooling Channel Design module also allows for interference checking with other mold components and easy placements of cooling accessories like connectors, plugs, etc.

IMOLD for SOLIDWORKS leverages breakthrough technology and the SOLIDWORKS environment to provide designers with the most powerful mold design product available today. With IMOLD for SOLIDWORKS, mold designers can easily produce preliminary and production design with staggering speed and preview functionality assures you get it right the first time. With automatic and interactive tools for features like automatic parting line generation, core/cavity surface splitting, and side core development, IMOLD for SolidWorks offers a level of functionality not realized by other mold design systems.

Whether you use standard or custom design components, IMOLD for SOLIDWORKS enables designers to define new and custom components and incorporate them as company standards. Intelligent menus make IMOLD for SOLIDWORKS very easy to use and will assure a rapid return on investment with the lowest possible training costs.

IMOLD for SOLIDWORKS radically shortens mold design time. Extensive tools for mold designers enables them to easily automate the most difficult and tedious tasks. Jobs that took several days can now be done in a few, short hours.

I-Screws

Use the Intelligent Screw System to fasten two or more parts together. Unlike standard CAD systems, designers no longer need to define counter bores, threads and other related parameters before placing screws.

Simply place the screws and all the required pockets and holes are developed automatically - with full associativity!

Mold base design

While allowing for easy customization for one-off use or company standards, IMOLD for SOLIDWORKS creates 3D, solid-based, parametric mold bases from vendor standards.

IMOLD for SOLIDWORKS supports standard mold bases or customized, non-standard mold bases and provides standard components like support pillars, sprue bushing, 2-plate or 3-plate mold bases and more.

Automatic pocketing for screws, pins and bushing, etc. are provided along with lightweight mold assemblies that allow designers to work quickly through designs and implements changes.

Components Gallery

Use the Component Gallery to effortlessly insert standard components into the mold. Any pockets required to facilitate the component are also automatically inserted into the mold assembly.

By using the Intelligent Catalogue Menu System, designers can select design parameters and be presented only with those parts or components that meet the design criteria.

Lifter Design

The user-friendly Lifter Design module does everything but select your design requirements.

Designers can use this module to select commercially available lifter systems like Uni-Lifters or to add their own custom designs to the lifter library.

Slider Design

The Slider Design module supports commercially available slide systems, as well as custom designed slides.

EDM – Electrode Design

Automated module for designing and managing electrodes and their holders to assist the manufacturing of detailed and hard to machine features on mold and press tools.

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

Drawings

Automatic Assembly Drawing Creation from 3D Model Assembly.

With only a few mouse clicks, IMOLD will automatically generate Core Half and Cavity Half Drawings of the mold assembly.

IMOLD also provides a very intuitive tool to define the Cross-sectional cutting planes and will automatically generate the Sectional Views of the mold assembly.