



EVER SINCE 1986  
**ZW3D MOLD MODULE**

## Overview

The ZW3D Mold design solution covers your needs throughout the whole-process of mold design, providing high-quality data import, smart model healing, unique non-solid mold parting, extendable mold base and standard parts, and practical electrode design & 2D document. It helps you to accelerate the cost evaluation and maximize your productivity by shortening the mold design cycle.

## Top 5 Reasons to Choose ZW3D Mold

### 1 Whole-Process 3D Mold Design

Improved efficiency is achieved through a streamlined workflow. In a single system, users can complete all mold design work with 3D visual and parametric design, reducing costs and facilitating collaboration.

### 2 Powerful Design Verification Tools

Various product verification tools and healing features help mold makers deal with analysis, checks, healing and changes to eliminate design errors, ensuring the manufacturability of product structure.

### 3 Excellent Time Saver for Quotation

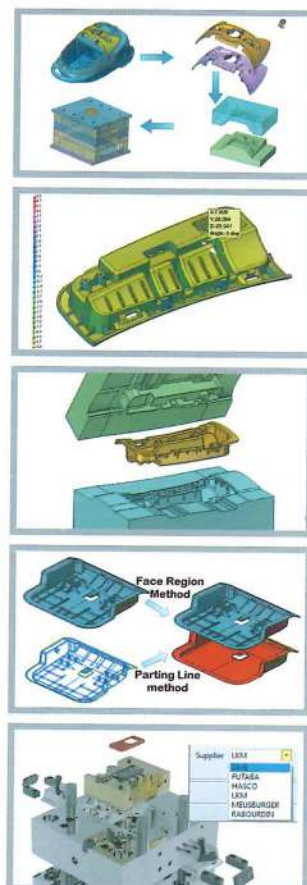
ZW3D's non-solid mold parting without healing makes itself stand out from the competition, which greatly shortens the time of cost evaluation and quotation, speeding up the cycle of mold design.

### 4 Faster Core & Cavity Splitting

Quick splitting of the most complex parts with parting lines or the core-cavity region definition method helps users improve work efficiency, reduce delivering time and win more business opportunities.

### 5 Extendable MoldBase & Standard Parts

Work with an extensive library of mold bases and standard parts that can be modified and personalized, meeting the requirements of different countries and companies.





## Highlights of ZW3D Mold

### 1. Mold Preparation

- Directly read many standard formats and 3D models from Catia, NX, Creo, SolidWorks, Solid Edge, Inventor and more.
- Draft analysis tool helps to check undercuts and vertical walls with rainbow color effect.
- Thickness analysis verifies the manufacturability of product structure.

### 2. Flexible and Fast Parting

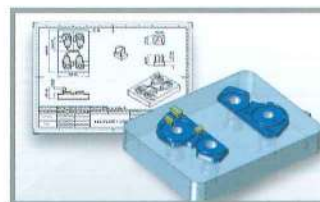
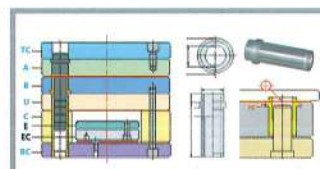
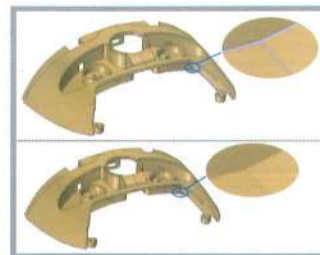
- Solid model is not a requirement for splitting. Open geometry can be directly split without healing to shorten the quotation period.
- Split quickly with two flexible methods: parting lines and face region definition.
- Various tools help users to quickly establish parting lines & faces to increase efficiency.

### 3. MoldBase & Standard Parts

- Easily load an entire mold base from many major suppliers: DME, Hasco, LKM, Futaba, Meusburger and more.
- Numerous standard parts are provided and trimming is performed automatically.
- Customizable mold bases and standard parts can satisfy different requirements.

### 4. Electrode Design & 2D Document

- Easy-to-use electrode extract tools allow you to deal with complex electrodes quickly.
- Automatically create a batch of electrodes and 2D sheets to dramatically shorten development time and reduce errors.
- Customized CAM templates help you to machine electrodes efficiently and get good G code with just several mouse clicks.



## ZW3D MOLD Features

- |  |
|--|
| • Built-in CAD Features                        |
| • Mold Design Wizard                           |
| • Parting Lines & Faces, Core-Cavity Splitting |
| • MoldBase & Standard Parts Library            |
| • Cooling, Runner, Gate, Slider                |
| • Electrode Design                             |

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## Valued Customer



Kamal Moulds is a reputed manufacturer and supplier of dies and moulds. ZW3D was chosen to assist them to create multi-cavity mould design and develop easy and fast implementation due to its various product verification tools and healing

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