New Features

- Easy Workflow
- Surface Parting
- Wizard Style UI
- Standard Libraries
- Non-standard Ejector
- Interference Checking
- Non-standard Moldbase
- Slider and Lifter Wizard
- Automatic Insert Pocketing
- Automatic Cooling Channels

Support 32/64-bits Win 7 & XP

MOLD DESIGN SOLUTIONS

by 3D QuickTools
3DQuickMold is a high-performance mold design program that enables engineers to create and test complex molds within SolidWorks®. As a complete mold-design solution, 3DQuickMold provides advanced modeling capabilities and unique time-saving tools to boost productivity. Containing the richest trade specific functions, mold designers can gain significant design speed to accomplish the most complex mold design projects.

**Product Assembly**
- Focus on core/cavity separation
- Based on new SolidWorks® multi-body technology
- Use Solid Parting to speed core and cavity creation
- Create very complex cores/cavities with ease
- Support of family and multi-cavity molds
- Build side cores and sub-inserts on parts directly
- Automate pocketing for side cores and sub-inserts
- Mold is fully associated with product model
- Cavity/cavity update automatically

**Layout Manager**
- Quickly layout multi-cavities w/ runners and gates
- Preview all layouts
- Control dimensions parametrically
- Edit cavity orientation, location and alignment

**Mold Base Manager**
- Use standard mold base or home made
- DME, KLM, FUTABA, HASCO and others
- User-customizable libraries
- SolidWorks features used in all modeling
- Open-GL preview is used for selection
- Edit all mold base dimensions and positions
- Add and remove mold plates to mold base

**Ejector Wizard**
- Supports blade ejectors, stepped ejectors, and ejector sleeves
- Quick search for suitable ejector in libraries
- Automatically locate holes in all plates

**Libraries Manager**
- Native SolidWorks™ models
- Customize libraries to meet your standards
- Quickly add parts and sub-assemblies to the mold

**Cooling Wizard**
- Create pattern-based cooling paths
- Parametrically constrain their position and connection
- Instantly subtract from core/cavity and view changes
- Design channels oriented for machining

**Slide & Lifter Wizards**
- Simplify and standardize slide and lifter design
- Intelligent slide creation with minimum inputs
- Edit parameters directly on the screen
- Easily release undercuts with adaptable lifter and slide mechanisms

**Sub-insert Wizard**
- Quickly cut sub-inserts from core/cavity using multiple approaches
- Easily handle drafted sub-inserts
- Parametrically design heels and preview
- Save individual sub-insert components immediately

**Feed Wizard**
- Automated creation of full round, half round, trapezoidal and U-shape runners
- Supports pinpoint gate, side gate, submarine gate and tunnel gate
- Open-GL preview and parametric design

**Electrode Wizard**
- Built-in module, at no extra cost
- Create electrode bodies quickly and easily
- Quick holder design
- Automatically create assembly

**Wizard style user interface**
- Functions are better grouped
- Users can normally follow the wizard page to complete the design for this particular module.

**New Parting Functions**
- New parting mechanism replaced many tedious works with just a few mouse clicks.

**Automatic cooling channels**
- Wizard based commands provide wide choices to create cooling channels.

**Creating insert & pocketing easier**
- Both quick and detailed methods to create circular and rectangular insert are ready for user to choose.

**New side core mechanism design**
- New side core design involves slide design and lifter design with animation functions.

**New user interface**
- 3DQuickMold is now fully integrated into SolidWorks. Through SolidWorks Command Manager, users can access the commands in various ways or customized their own shortcut keys.
- Existing 3DQuickMold user may keep using the original toolbar.

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