

TopSolid'Mold



Powerful **CAD** solution for **mold** makers

- Quick retrieval of digital data in 3D
- Automatic calculation of parting surfaces
- Tool design in 3D (built-up blocks, sliders, etc.)
- Utilization of standard frames
- Access to all supplier catalogs
- Easy generation of coolant circuits
- Collision avoidance
- Creation of drawings and BOMs for mold making
- Simulation of tool kinematics
- Automatic generation of all geometries

The Integrated CAD/CAM Solution

www.topsolid.com

 **Missler**
SOFTWARE

TopSolid'Mold

CAD/CAM solution for mold design and machining

To be efficient, a CAD mold solution needs to enable a high degree of automation for frequent tool design operations. Furthermore, the solution needs to be integrated into a powerful CAD/CAM solution so that it can be used for multiple application. The CAD/CAM system must be able to process hollow parts, general mechanical and manufacturing design and at the same time be parametric and associative. TopSolid'Mold meets all these requirements and has therefore become one of the leading systems for mold design worldwide within a short period of time.

Retrieving data

- IGES, DXF, Catia, STEP, SAT, Parasolid
- Integrated surface and volume modeler

Calculation of mold cores and cavities

- Automatic search for parting surface curves
- Allowance for areas containing drafts
- Automatic separation of cores and cavities

Slider design

- Adaptation of profiles and clearances
- Guide rails, jacks, ...

Mold base library

- Global supplier catalog (Europe, Japan, USA)

Components and process library

- Columns, ejectors, spacers, nozzles, screws...
- Machining processes (quality, clearances, schedule...)

Coolant circuit

- Security clearance and collision check
- Calculation of approach and return points

Control via mold levels

- Automatic classification of components and parts (mold plates, circuits, columns, screws...)
- Immediate activation and deactivation of levels

Creation of drawings

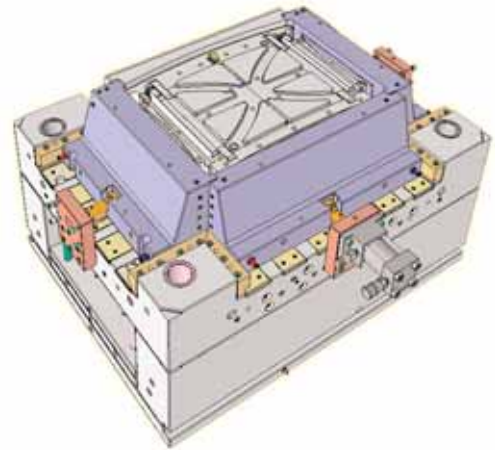
- Specific views for mold design
- Dimensions for mold makers, via references

Parts lists

- Parts list references and classification for mold makers

CAD/CAM integration

- TopSolid CAD solution with integrated kinematics
- TopSolid'Electrode CAD solution for electrode design
- TopSolid'Cam (milling) and TopSolid'Wire (wire EDM) CAM solutions



3D design of a mold tool by Promolde in Portugal.



TopSolid'Mold offers you a rich library of standard mold bases.

About Missler Software

Missler Software is the second largest French supplier of CAD, CAM, ERP and PDM solutions. The company's product lines include TopSolid, TopManufacturing and GOelan. Missler Software originated from the merger of Missler Informatique, TopCad, Catalpa and CN Industries. As a result, Missler's product portfolio includes comprehensive modern software solutions for the mechanical engineering industry (general mechanical design, special machinery, tooling, boilerwork, ...) and for sheet metal and wood industries. Companies around the world are using TopSolid solutions - the export share of this product line amounts to more than 60%.

Missler Software

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