



# Training Center

## An excellent education is the key to success

Our customers are able to achieve a high efficiency in a very short time due to target oriented and efficient application training the Software in combination with safety in interpretation capability and complemented with an increase of know how/expertise and acceptance of all persons involved in the project (internal customers and decision makers).

## Customized Trainings for Autodesk® Simulation Moldflow®

- **AUTODESK**® Simulation Moldflow® Insight
- **AUTODESK**® Simulation Moldflow® Adviser
- **AUTODESK**® Simulation CFD
- **AUTODESK**® Simulation Moldflow® Interpretation Training

## Additional trainings

- Preparation for certification exams (Associate, Professional, Expert)
- Fundamentals workshop - systematic part and mold design using process simulation and structural analysis (influence of the material, design rules, process details, mechanical fundamentals, ...)
- One day workshops or block seminars for universities / student groups

### MF SOFTWARE Trainings stand for:

- systematic procedure
- methodical covering of constraints
- practice oriented interpretation
- fundamental optimization guidelines



### Facts and Figures

- More than 100 years Moldflow® know-how within the Training- and Support-Team
- 1st Autodesk® Certified Training Center for Moldflow®
- 24 years Education of more than 2,500 persons on Moldflow® software products
- 24 years of Moldflow® experience from services on more than 9,000 projects
- Mobile training room with 8 workstations



## MF SOFTWARE

MF SOFTWARE Sales & Service Group GmbH is currently active in 15 different European countries and supervises hundreds of companies with more than thousand users.

As an authorized Autodesk Software Reseller the company is specialized in Autodesk Simulation products such as Moldflow Adviser, Moldflow Insight, Mechanical and CFD.





## Training Topics Autodesk® Moldflow® Adviser

Issue	time
<b>Configuration Level: Standard - Fill Analysis</b>	
<ul style="list-style-type: none"> <li>• introduction into user interface</li> <li>• model Import, quality check</li> <li>• design adviser/guidebook, gating location, process window</li> <li>• fill analysis (Dual Domain) filling behavior, thermal homogeneity, sink marks</li> <li>• result interpretation</li> <li>• automated report generation</li> <li>• moldflow communicator: presentation of results in 3D</li> </ul>	1,5 Days
<b>Configuration Level: Premium - Runner System and 3D</b>	
<ul style="list-style-type: none"> <li>• dimensioning of gating system and manifold</li> <li>• calculation and optimization of gating diameters</li> <li>• dimensioning and balancing of cold and hot runner systems</li> <li>• single cavity mold, multiple cavity mold, family mold</li> <li>• fill analysis 3D for thick-walled parts or parts with very different wall thicknesses</li> </ul>	0,5 Day
<b>Configuration Level: Ultimate - Cooling, Shrinkage, Warpage</b>	
<ul style="list-style-type: none"> <li>• Importieren, modellieren, und berechnen von Temperiersystemen</li> <li>• fill, pack and cool analysis</li> <li>• shrinkage and warpage analysis</li> <li>• result interpretation</li> </ul>	1 Day



Prerequisite for attending advanced courses is a successful participation of previous levels.

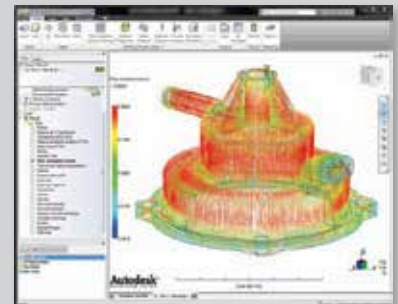


Beside software handling all courses impart

- ✓ plastics technical fundamentals
- ✓ design and construction rules
- ✓ fundamentals of tool-buildings
- ✓ interpretation with highly practical relevance

## Training Topics Autodesk® Moldflow® Insight

Issue	time
<b>Configuration Level: Standard - Fill, Pack and Initial Warp Analysis</b>	
<ul style="list-style-type: none"> <li>• simulation fundamentals</li> <li>• introduction into different mesh models (Midplane, Dual Domain, 3D)</li> <li>• meshing and model preparation</li> <li>• dimensioning of cold and hot runner systems, cascade</li> <li>• fill and pack analysis and optimization</li> <li>• 2K-overmolding, hybrid components</li> <li>• result interpretation and report generation</li> <li>• introduction of the material database, search &amp; compare, personal database</li> </ul>	4 Days
<b>Configuration Level: Premium - Fibers, Cooling, Advanced Warpage</b>	
<ul style="list-style-type: none"> <li>• modeling, analysis and optimization of temperature regulating systems</li> <li>• influence of mold inserts, BEM vs. 3D Cool FEM</li> <li>• fiber orientation (short &amp; long fiber approach)</li> <li>• shrinkage and warp analysis, result interpretation and optimization</li> <li>• core shift analysis (part and mold inserts)</li> </ul>	4 Days
<b>Configuration Level: Ultimate - Special Processes*</b>	
<ul style="list-style-type: none"> <li>• theoretical basics</li> <li>• specific modeling and process conditions</li> <li>• guidelines for analysis and interpretation</li> </ul>	each 1 Day



\* Injection compression, sandwich injection molding, gas-assisted injection molding, MuCell, birefringence, reactive molding, microchip encapsulation, underfill encapsulation

**AUTODESK**  
Authorized Certification Center  
Authorized Training Center

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