Autodesk® Moldflow® 2016 feature comparison

Feature comparison matrix

Validate and optimize plastic parts, injection molds, resin selection, and the injection molding process using Autodesk® Moldflow®. Compare the features of Autodesk Moldflow products to learn how Autodesk® Moldflow® Adviser, Autodesk® Moldflow® Insight and Autodesk® Moldflow® Flex doftware can help meet the needs of your organization.

	Moldflow Flex	Moldflow Adviser Standard	Moldflow Adviser Premium	Moldflow Adviser Ultimate	Moldflow Insight Standard	Moldflow Insight Premium	Moldflow Insight Ultimate
SOLVER CAPACITY							
Simultaneous local solving (max)	1	-	-	-	1	3	3
Cloud Solving	✓						
MESHING							
Dual Domain	✓	✓	✓	✓	✓	✓	✓
3D	✓		✓	✓	✓	✓	✓
Midplane	✓				✓	✓	✓
CAD INTEROPERABILITY							
CAD Solid Models	✓	✓	✓	✓	✓	✓	✓
Parts	✓	✓	✓	✓	✓	✓	✓
Assemblies	✓				✓	✓	✓
SIMULATION ADVISERS							
Design adviser		✓	✓	✓			
Results adviser		✓	✓	✓			
Cost adviser		✓	✓	✓			
SIMULATION CAPABILITIES							
Filling	✓	✓	✓	✓	✓	✓	✓
Packing	✓			✓	✓	✓	✓
Fiber orientation	✓			✓	✓	✓	✓
Surface defect prediction	✓	✓	✓	✓	✓	✓	✓
Molding window	✓	✓	✓	✓	✓	✓	✓
Venting analysis	✓				✓	✓	✓
Crystallization analysis	✓					✓	✓
Gate location	✓	✓	✓	✓	✓	✓	✓
Cold & hot runners	✓		✓	✓	✓	✓	✓
Runner balancing	✓		✓	✓	✓	✓	✓
Design of experiments (DOE)	✓					✓	✓
Cooling	✓			✓	✓	✓	✓

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SIMULATION CAPABILITIES (CONT)							
Transient mold cooling or heating	✓				✓	✓	✓
Conformal cooling	✓					✓	✓
Rapid temperature cycling	✓					✓	✓
Induction heating	✓					✓	✓
Heating elements	✓				✓	✓	✓
Warpage	✓			✓	✓	✓	✓
Insert overmolding	✓				✓	✓	✓
In-mold label	✓				✓	✓	✓
Two-shot sequential overmolding	✓				✓	✓	✓
Core shift	✓					✓	✓
Wire sweep, paddle shift	✓					✓	✓
MOLDING PROCESSES							
Thermoplastic injection molding	✓	✓	✓	✓	✓	✓	✓
Gas-assisted injection molding	✓						✓
Injection-compression molding	✓						✓
Co-injection molding	✓						✓
Bi-injection molding	✓						✓
Microcellular injection molding	✓						✓
Birefringence	✓						✓
Resin transfer and structural reaction injection molding	✓				✓	✓	✓
Rubber, liquid silicone injection molding	✓				✓	✓	✓
Multiple-barrel reactive molding	✓				✓	✓	✓
Reaction injection molding	✓				✓	✓	✓
Microchip encapsulation	✓					✓	✓
Underfill encapsulation	✓					✓	✓
Compression molding	✓						✓
DATABASES							
Thermoplastic materials	✓	✓	✓	✓	✓	✓	✓
Thermoset materials	✓				✓	✓	✓
Molding machines	✓				✓	✓	✓

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DATABASES (CONT)							
Coolant materials	✓			✓	✓	✓	✓
Mold materials	✓			✓	✓	✓	✓
SOFTWARE INTEROPERABILITY							
Simulation Mechanical (FEA)	✓				✓	✓	✓
Autodesk Nastran (FEA)	✓				✓	✓	✓
Abaqus (FEA)	✓				✓	✓	✓
ANSYS (FEA)	✓				✓	✓	✓
LS-DYNA (FEA)	✓				✓	✓	✓
CODE V (Birefringence)	✓						✓
VRED (defect visualization)	✓	✓	✓	✓	✓	✓	✓
Showcase (defect visualization)	✓	✓	✓	✓	✓	✓	✓
CADdoctor for Autodesk Simulation	✓	✓	✓	✓	✓	✓	✓
SUPPORTED LANGUAGES							
English	✓	✓	✓	✓	✓	✓	✓
Chinese (Simplified)	✓	✓	✓	✓	✓	✓	✓
Chinese (Traditional)	✓	✓	✓	✓	✓	✓	✓
French	✓	✓	✓	✓	✓	✓	✓
German	✓	✓	✓	✓	✓	✓	✓
Italian	✓	✓	✓	✓	✓	✓	✓
Japanese	✓	✓	✓	✓	✓	✓	✓
Portuguese	✓	✓	✓	✓	✓	✓	✓
Spanish	✓	✓	✓	✓	✓	✓	✓
Korean		✓	✓	✓			
INCLUDED SOFTWARE & SERVICES							
Moldflow Communicator	✓	✓	✓	✓	✓	✓	✓
SimStudio Tools	✓	✓	✓	✓	✓	✓	✓
Vault	✓	✓	✓	✓	✓	✓	✓

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