

Autodesk® Moldflow® 2017 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® Design, Autodesk® Moldflow® Adviser and Autodesk® Moldflow® Insight software can help meet the needs of your organization.

	Moldflow Adviser		Moldflow Insight		
	Premium	Ultimate	Standard	Premium	Ultimate
SOLVER CAPACITY					
Simultaneous local solving (max)	Unlimited	Unlimited	1	3	3
Cloud Solving			✓	✓	✓
MESHING					
Dual Domain	✓	✓	✓	✓	✓
3D	✓	✓	✓	✓	✓
Midplane			✓	✓	✓
CAD INTEROPERABILITY					
CAD Solid Models	✓	✓	✓	✓	✓
Parts	✓	✓	✓	✓	✓
Assemblies			✓	✓	✓
SIMULATION ADVISERS					
Design advice	✓	✓			
Design adviser	✓	✓			
Results adviser	✓	✓			
Cost adviser	✓	✓			

	Moldflow Adviser		Moldflow Insight		
	Premium	Ultimate	Standard	Premium	Ultimate
SIMULATION CAPABILITIES					
Filling	✓	✓	✓	✓	✓
Packing		✓	✓	✓	✓
Fiber orientation		✓	✓	✓	✓
Sink marks and weld lines	✓	✓	✓	✓	✓
Molding window	✓	✓	✓	✓	✓
Venting analysis			✓	✓	✓
Crystallization analysis				✓	✓
Gate location	✓	✓	✓	✓	✓
Cold & hot runners		✓	✓	✓	✓
Runner balancing		✓	✓	✓	✓
Design of experiments (DOE)				✓	✓
Cooling		✓	✓	✓	✓
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				✓	✓

	Moldflow Adviser		Moldflow Insight		
	Premium	Ultimate	Standard	Premium	Ultimate
MOLDING PROCESSES					
Thermoplastic injection molding	✓	✓	✓	✓	✓
Gas-assisted injection molding					✓
Injection-compression molding					✓
Co-injection molding					✓
Bi-injection molding					✓
Chemical Blowing Agent (CBA)					✓
Microcellular injection molding with and without core back					✓
Birefringence					✓
Resin transfer (RTM) and structural reaction injection molding (SRIM)			✓	✓	✓
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			✓	✓	✓
Coolant materials		✓	✓	✓	✓
Mold materials		✓	✓	✓	✓

*Limited database

	Moldflow Adviser		Moldflow Insight		
	Premium	Ultimate	Standard	Premium	Ultimate
SOFTWARE INTEROPERABILITY					
Autodesk Heliux PFA (Advanced Material Exchange)			✓	✓	✓
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	✓	✓	✓	✓	✓
Moldflow Design	✓	✓			