

SOLIDWORKS SIMULATION

PRODUCT MATRIX

1 = Capability also available in SOLIDWORKS Premium.

2 = Thermal analysis using CFD methodology is available in SOLIDWORKS Flow Simulation.

	SIMULATION STANDARD	SIMULATION PROFESSIONAL	SIMULATION PREMIUM
Fully Embedded Analysis ¹	✓	✓	✓
Linear Static Analysis ¹	✓	✓	✓
Fatigue Studies	✓	✓	✓
Time-Based Motion Analysis ¹	✓	✓	✓
Trend Tracker	✓	✓	✓
Detecting Unconstrained Bodies	✓	✓	✓
Event-Based Motion	SIMXPRESS	✓	✓
Submodeling		✓	✓
2D Simplification		✓	✓
Optimization		✓	✓
Thermal Analysis ²		✓	✓
Buckling Analysis		✓	✓
Frequency Analysis		✓	✓
Drop Test Analysis		✓	✓
Pressure Vessel Analysis		✓	✓
Topology Study		✓	✓
Load Case Manager		✓	✓
Nonlinear Analysis			✓
Plastic Deformation/Residual Stress			✓
Composite Material Analysis			✓
Dynamic Analysis			✓
Forced Vibration Analysis			✓