

3D CAD MATRIX

Features	Standard	Professional	Premium
SOLIDWORKS 3D CAD	•	•	•
Part and Assembly Modeling	•	•	•
2D Drawings	•	•	•
Design Reuse and Automation	•	•	•
Collaborate and Share CAD Data	•	•	•
Interference Check	•	•	•
First-Pass Analysis Tools	•	•	•
CAM Programming (SOLIDWORKS CAM)	•	•	•
Design for Manufacturing (DFM)	•	•	•
Productivity Tools	•	•	•
Advanced CAD File Import/Export and 3D Interconnect	•	•	•
Xtended Reality (XR) Exporter	•	•	•
CAD Libraries (SOLIDWORKS Toolbox)		•	•
Design for Cost (SOLIDWORKS Costing)		•	•
ECAD/MCAD Collaboration (CircuitWorks)		•	•
CAD Standards Checking (Design Checker)		•	•
Collaboration with eDrawings Professional		•	•
Automated Tolerance Stack-Up Analysis (TolAnalyst)		•	•
Advanced Photorealistic Rendering (SOLIDWORKS Visualize)		•	•
SOLIDWORKS File Management		•	•
Reverse Engineering (ScanTo3D)		•	•
Time-based Motion Analysis			•
Linear Static Analysis for Parts and Assemblies			•
Pipe and Tube Routing			•
Electrical Cable and Wiring Harness Routing			•
Advanced Surface Flattening			•
Rectangular and Other Section Routing			•