

Solid Edge 3D design subscription

Key feature/function	Solid Edge Premium	Solid Edge Classic	Solid Edge Foundation	Solid Edge Design and Drafting
Cloud enabled	✓	✓	✓	✓
2D drafting	✓	✓	✓	✓
2D data re-use	✓	✓	✓	✓
3D data re-use	✓	✓	✓	✓
3D part design	✓	✓	✓	Basic
3D assembly design	✓	✓	✓	Basic
Automated 2D drawings	✓	✓	✓	✓
Synchronous technology (intelligent direct modeling)	✓	✓	✓	✓
Design automation	✓	✓	✓	✓
Sheet metal design	✓	✓	✓	-
Frame and weldment design	✓	✓	✓	-
Surface modeling	✓	✓	✓	-
Plastic part design	✓	✓	✓	-
Jig and fixture design	✓	✓	✓	-
Conceptual assembly layout	✓	✓	✓	-
Cam design	✓	✓	-	-
Gear design	✓	✓	-	-
Pulley and shaft design	✓	✓	-	-
Spring design	✓	✓	-	-
Beam and column design	✓	✓	-	-
Electrical routing design	✓	-	-	-
Piping and tubing design	✓	-	-	-
Standard parts library	✓	✓	✓	✓
Standard parts library extension – machinery	✓	✓	-	-
Reverse engineering (3D scanning)	✓	✓	-	-
Generative design	✓	✓	-	-
Visualization – animation	✓	✓	✓	✓
Visualization – photorealistic rendering	✓	✓	-	-
IFC import and export for BIM	✓	✓	✓	✓
Mesh data import and re-use (Convergent Modeling™ technology)	✓	✓	✓	✓
SolidWorks data migration	✓	✓	✓	-
Inventor data migration	✓	✓	✓	-
Pro/Engineer / Creo data migration	✓	✓	✓	-
Motion simulation	✓	✓	✓	Basic
Stress simulation	✓	Basic	-	-
Vibration simulation	✓	Basic	-	-
Buckling simulation	✓	-	-	-
Thermal simulation	✓	-	-	-
Optimization	✓	-	-	-
Additive manufacturing (3D Printing) preparation	✓	✓	✓	✓
Additive manufacturing (3D Printing) service	✓	✓	✓	✓
Built-in data management	✓	✓	✓	✓
Free collaboration tools (e.g. viewing and comments)	✓	✓	✓	✓