

Solid Edge 3D design

Key feature/function		Foundation	Classic	Premium
Basic part and assembly design		✓	✓	✓
2D drafting		✓	✓	✓
Import/export to all popular 2D/3D file formats		✓	✓	✓
Synchronous technology (intelligent direct editing)		✓	✓	✓
Data management		✓	✓	✓
Mesh modeling (convergent)		✓	✓	✓
Visualization tools		✓	✓	✓
Cloud enabled		✓	✓	✓
Prep for additive manufacturing		✓	✓	✓
Basic motion simulation		✓	✓	✓
Advanced part and assembly design		✓	✓	✓
Sheet metal design		✓	✓	✓
Frame and weldments		✓	✓	✓
Bulk migrators		✓	✓	✓
Surface modeling		✓	✓	✓
Simulation for parts		✓	✓	✓
Subdivision modeling (advanced surfacing)			✓	✓
Photorealistic rendering			✓	✓
Standard parts libraries (nuts, bolts, etc.)			✓	✓
Vendor catalog integration (3DFindit.com)			✓	✓
Adaptive UI			✓	✓
Reverse engineering			✓	✓
Engineering reference (springs, CAMS, gears, etc.)			✓	✓
Design for cost			✓	✓
Generative design			✓	✓
Pipe and tube design				✓
PCB collaboration				✓
Electrical routing				✓
Linear stress simulation (parts/assemblies)				✓
Advanced motion simulation				✓
Simulation optimization				✓

Key feature/function	Solid Edge 2.5-Axis Bundle SE425	Solid Edge 3-Axis Bundle SE430	Solid Edge 5-Axis Bundle SE445
Solid Edge Foundation	X	X	X
3D Printing Preparation	X	X	X
STL, 3MF and OBL Export	X	X	X
3D Printing Service Access	X	X	X
Gateway and CAM Base	X	X	X
Industry translators	X	X	X
Assemblies	X	X	X
Toolpath Visualization and Material Removal	X	X	X
Graphical Toolpath Editing	X	X	X
Post Processing	X	X	X
Post Builder and Post Configurator (Basic License)	X	X	X
Post Hub	X	X	X
Shop Documentation	X	X	X
Work Instruction Authoring	X	X	X
Planar Milling	X	X	X
Face Milling	X	X	X
Feature Based Machining	X	X	X
Cavity Milling	X	X	X
Z-level Profiling	X	X	X
Probing	X	X	X
3+2 Axis Positioning	X	X	X
Fixed Axis Area Milling	Add-on	X	X
Flow Cut for Valley Rest Milling	Add-on	X	X
Streamline Milling	Add-on	X	X
Cut Between Levels for Semi finishing	Add-on	X	X
Nurbs and Spline Output	Add-on	X	X
Facet Machining	Add-on	X	X
Adaptive Clearance Strategy	Add-on	X	X
Sequential Milling for User Control	Add-on	Add-on	X
Variable Axis Surface Milling	Add-on	Add-on	X
Contour Profiling for Swarf Cutting	Add-on	Add-on	X
3-to-5 Axis Milling (Tilt-Tool)	Add-on	Add-on	Add-on
Turning	Add-on	Add-on	Add-on
4 Axis Wire EDM	Add-on	Add-on	Add-on
Integrated Simulation and Verification	Add-on	Add-on	Add-on
ISV: Tool Path Driven	Add-on	Add-on	Add-on
ISV: G-Code Driven	Add-on	Add-on	Add-on
Multi-channel Synchronization	Add-on	Add-on	Add-on
Machine Tool Builder	Add-on	Add-on	Add-on
Machining Knowledge Editor	Add-on	Add-on	Add-on
Turbomachinery Milling	Add-on	Add-on	Add-on