

Key feature / Function	Solid Edge Premium	Solid Edge Foundation
2D drafting	●	●
2D data re-use	●	●
3D data re-use	●	●
3D part design	●	●
3D assembly design	●	●
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	●	—
Wire harness 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	●	●
Stress simulation	●	—
Vibration simulation	●	—
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)	●	●