Dell Precision Workstation Product Recommendations

Dassault Systemes SOLIDWORKS®

Standard

Precision 3260 Compact

For the professional who works on light to moderately complex part design and light to medium sized assemblies, creates detailed drawings, schematic diagrams, and BOMs, and runs first pass Finite Element and Kinematic Analyses.

- Intel® Core™ i7-12700, 1 Cores (8P+4E), 2.1 / 4.9GHz, 25MB Cache
- NVIDIA® T1000, 4 GB GDDR6, low profile, 4 mDP to, 4GB
- 32GB
- 1 TB SSD
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Entry

Precision 3660 Tower

For the professional who works on light to moderately complex part design and light to medium sized assemblies, creates detailed drawings, schematic diagrams, and BOMs.

- Intel Core™ i7-12700K, 12 Cores (8P+4E), 3.6 / 5.0GHz, 25MB Cache
- NVIDIA RTX™, 12GB or Radeon™ Pro WX 3200, 4GB
- 32GB ECC
- 1TB SSD Class 40
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Advanced

Precision 5820 Tower

For the professional who works on moderately complex part design and medium sized assemblies, creates detailed drawings, schematic diagrams, and BOMs, and runs complex Finite Element and Kinematic Analyses.

- Intel Xeon® Processor W-2275, 14 Cores, 3.3 / No-TurboGHz, 19.25MB Cache
- NVIDIA RTX A4500, 20GB or AMD Radeon Pro W6600, 8GB
- 64GB ECC
- 1TB SSD Class 40
- Windows 10 Pro or Windows 10 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Ultimate

Precision 7820 Tower

For the professional who works on complex part design and light to large size assemblies, creates detailed drawings, schematic diagrams, and BOMs, and runs complex Finite Element and Kinematic Analyses.

- Intel Xeon Gold 6246, 16 Cores, 4.1, 35.75MB Cache
- NVIDIA RTX A5500, 24GB or AMD Radeon Pro W6800, 32GB
- 64GB ECC
- 1TB SSD Class 40
- Windows 10 Pro or Windows 10 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Entry

Precision 3571

For the professional using SolidWorks Standard who works on light part design and light assemblies single parts, creates detailed drawings, schematic diagrams, and BOMs and wants good mobility

- Intel Core™ i7-12700H, 14 Cores (6P+8E), 2.30 / 4.70GHz, 24MB Cache
- NVIDIA RTX A1000, 4GB
- 32GB
- 512GB SSD Class 40
- 15.6" 1920 x 1080
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Standard

Precision 5770

For the professional using SolidWorks Professional who works on light to moderately complex part design and light to medium sized assemblies, creates detailed drawings, schematic diagrams, BOMs and occasional visualization desiring maximum mobility.

- Intel Core™ i7-12700H, 14 Cores (6P+8E), 2.30 / 4.70GHz, 24MB Cache
- NVIDIA RTX A3000, 12GB
- 32GB
- 1 TB SSD
- 17" 3840 x 2400,100% sRGB
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Advanced

Precision 7670

For the professional using SolidWorks Premium who works on moderately complex part design and complex assemblies, creates detailed drawings, schematic diagrams, BOMs, complex simulation and occasional visualization and wants a balance of mobility and great performance.

- Intel Core™ i7-12850H, 16 Cores (8P+8E), 2.1 / 4.8GHz, 25MB Cache
- NVIDIA RTX A4500, 16GB
- 64GB ECC
- 512 GB SSD
- 16" 3840 x 2400,100% DCI-P3
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Ultimate

Precision 7770

For the professional, using SolidWorks Premium who works on complex part design and large assemblies, creates detailed drawings, schematic diagrams, BOMs complex simulation and visualization using SolidWorks Visualize including VR

- Intel Core i9-12950H, 16 Cores (8P+8E), 2.3 / 5.0GHz, 30MB Cache
- NVIDIA RTX A5500, 16GB
- 64GB ECC
- 1 TB SSD
- 17.3" 3840 x 2160,99% DCI-P3
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

If using SOLIDWORKS Visualize upgrade graphics card / system for dramatically improved rendering performance, minimum of NVIDIA RTX A3000, RTX A4000 or RTX A5000 recommended.

Please read the use case descriptions thoroughly to identify the appropriate recommendation for your usage. Recommendations are starting points and your requirements may vary. For more information see - **Precision Workstations**. **Product information**, **Dell Precision Engineering and Manufacturing Quick Reference Guide**, **Dell Precision Certifications**.

Provided curteousy of: