DELL Technologies

Dell Precision Workstation Product Recommendations
Ansys Discovery

Entry
Precision 3660 Tower

For the professional who works on light to moderately complex part design and medium assemblies and runs simple Finite Element and CFD Analyses

- Intel® Core™ i7-12700K Processor 25MB Cache, 12 (8P+4E) Cores , 3.6GHz to 5.0GHz, 125W
- 32 GB, 2 x 16 GB, DDR5, 4400 MHz
- NVIDIA RTX A4500, 20GB, 4 mDP (Precision 3660)
- 512GB PCIe NVME™ Class 40 Gen4 M.2 SSD
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Standard
Precision 3660 Tower

For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs complex Finite Element and CFD Analyses.

- Intel® Core™ i7-12700K Processor 25MB Cache, 12 (8P+4E) Cores , 3.6GHz to 5.0GHz, 125W
- 64 GB, 4 x 16 GB, DDR5, 4000 MHz
- NVIDIA RTX A5000, 24 GB GDDR6, 4 DP
- 1TB PCIe NVME™ Class 40 Gen4 M.2 SSD
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Advanced
Precision 5860 Tower

For the professional who works on light to moderately complex part design, large assemblies and runs complex Finite Element and CFD Analyses.

- Intel® Xeon® W3-2425 (15 MB cache, 6 cores, 12 threads, 3.0 GHz to 4.4 GHz Turbo, 130 W)
- 64GB, 4x16GB, DDR5, 4800MHz, RDIMM ECC Memory
- NVIDIA® RTX™ A6000, 48 GB GDDR6, 4 DP
- 1 TB, M.2, PCIe NVMe, 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

Ultimate
Precision 5860 Tower

For the professional who works on light to moderately complex part design and light to medium sized assemblies runs first pass Finite Element and CFD Analyses.
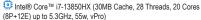
- Intel® Xeon® W5-2445 (26.25 MB cache, 10 cores, 20 threads, 3.1 GHz to 4.6 GHz Turbo, 175 W)
- 64GB, 4x16GB, DDR5, 4800MHz, RDIMM ECC Memory
- NVIDIA® RTX™ A5500, 24 GB GDDR6, 4 DP
- 1 TB, M.2, PCIe NVMe, SSD, Class 40
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Discovery requires CUDA-compatible graphics cards with at least 4 GB of dedicated graphics card memory.

Entry
Precision 7680

For the professional who works on light to moderately complex part design and medium assemblies and runs medium size simulations

- Intel® Core™ i7-13850HX (30MB Cache, 28 Threads, 20 Cores (8P+12E) up to 5.3GHz, 55w, vPro)
- 32GB, 2x16GB 5600MHz SODIMM, non-ECC
- NVIDIA RTX™ 5000 Ada 16GB GDDR6
- 512 GB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD
- 16-inch, FHD 1920 x 1200, 60 Hz, Anti-Glare, Non-Touch, 45% NTSC, 250 Nits, RGB Cam/Mic WLAN
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Standard
Precision 7780

For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs medium size simulations.

- Intel® Core™ i7-13850HX (30MB Cache, 28 Threads, 20 Cores (8P+12E) up to 5.3GHz, 55w, vPro)
- 64GB, 2x32GB 5200MHz SODIMM, non-ECC
- NVIDIA RTX™ 5000 Ada 16GB GDDR6
- 1 TB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD
- 17" UHD 3840x2160 WLED WVA, 120Hz, anti-glare, non-touch, 99% DCI-P3, 500 nits, IR Cam/Mic
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Advanced
Precision 7680

For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs complex simulations.

- Intel® Core™ i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, vPro)
- 64GB, 2x32GB 5200MHz SODIMM, non-ECC
- NVIDIA RTX™ 5000 Ada 16GB GDDR6
- 512 GB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD
- 16-inch, OLED UHD+ 3840 x 2400, 60 Hz, Anti-Glare, Touch, 100% DCIP3, 400 Nits, IR Cam/Mic WLAN
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Ultimate
Precision 7780

For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs complex simulations.

- Intel® Core™ i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, vPro)
- 64GB, 2x32GB 5200MHz SODIMM, non-ECC
- NVIDIA RTX™ 5000 Ada 16GB GDDR6
- 1 TB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD
- 17" UHD 3840x2160 WLED WVA, 120Hz, anti-glare, non-touch, 99% DCI-P3, 500 nits, IR Camera, with Mic
- Windows 10/11 Pro or Windows 10/11 Pro for Workstations
- 3 Years ProSupport with Next Business Day Onsite Service

Customize & Buy

Discovery requires CUDA-compatible graphics cards with at least 4 GB of dedicated graphics card memory.

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**, **Dell Precision Engineering and Manufacturing Quick Reference Guide**, **Dell Precision Certifications**

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