Dell Precision Workstation Product Recommendations
Ansys Discovery

Entry	Standard	Advanced	Ultimate
Precision 3660 Tower	**Precision 3660 Tower**	**Precision 5860 Tower**	**Precision 5860 Tower**
For the professional who works on light to moderately complex part design and medium assemblies and runs simple Finite Element and CFD Analyses	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.	For the professional who works on light to moderately complex part design, large assemblies and runs complex Finite Element and CFD Analyses.	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® Core™ i7-12700K Processor 25MB Cache, 12 (8P+4E) Cores , 3.6GHz to 5.0GHz, 125W	Intel® Core™ i7-12700K Processor 25MB Cache, 12 (8P+4E) Cores , 3.6GHz to 5.0GHz, 125W	Intel® Xeon® W3-2425 (15 MB cache, 6 cores, 12 threads, 3.0 GHz to 4.4 GHz Turbo, 130 W)	Intel® Xeon® W5-2445 (26.25 MB cache, 10 cores, 20 threads, 3.1 GHz to 4.6 GHz Turbo, 175 W)
32 GB, 2 x 16 GB, DDR5, 4400 MHz	64 GB, 4 x 16 GB, DDR5, 4000 MHz	64GB, 4x16GB, DDR5, 4800MHz, RDIMM ECC Memory	64GB, 4x16GB, DDR5, 4800MHz, RDIMM ECC Memory
NVIDIA RTX A4500, 20GB, 4 mDP (Precision 3660)	NVIDIA RTX A5000, 24 GB GDDR6, 4 DP	NVIDIA® RTX® A6000, 48 GB GDDR6, 4 DP	NVIDIA® RTX® A5500, 24 GB GDDR6, 4 DP
512GB PCIe NVME™ Class 40 Gen4 M.2 SSD	1TB PCIe NVME™ Class 40 Gen4 M.2 SSD	1 TB, M.2, PCIe NVMe, SSD, Class 40	1 TB, M.2, PCIe NVMe, SSD, Class 40
Windows 10/11 Pro or Windows 10/11 Pro for Workstations	Windows 10/11 Pro or Windows 10/11 Pro for Workstations	Windows 10/11 Pro or Windows 10/11 Pro for Workstations	Windows 10/11 Pro or Windows 10/11 Pro for Workstations
3 Years ProSupport with Next Business Day Onsite Service	3 Years ProSupport with Next Business Day Onsite Service	3 Years ProSupport with Next Business Day Onsite Service	3 Years ProSupport with Next Business Day Onsite Service
Customize & Buy	Customize & Buy	Customize & Buy	Customize & Buy

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

Entry	Standard	Advanced	Ultimate
Precision 7680	**Precision 7780**	**Precision 7680**	**Precision 7780**
For the professional who works on light to moderately complex part design and medium assemblies and runs medium size simulations	For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs medium size simulations.	For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs complex simulations.	For the professional who works on moderately complex part designs, including tool and die design, large assemblies and runs complex simulations.
Intel® Core™ i7-13850HX (30MB Cache, 28 Threads, 20 Cores (8P+12E) up to 5.3GHz, 55w, vPro)	Intel® Core™ i7-13850HX (30MB Cache, 28 Threads, 20 Cores (8P+12E) up to 5.3GHz, 55w, vPro)	Intel® Core™ i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, vPro)	Intel® Core™ i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, vPro)
32GB, 2x16GB 5600MHz SODIMM, non-ECC	64GB, 2x32GB 5200MHz SODIMM, non-ECC	64GB, 2x32GB 5200MHz SODIMM, non-ECC	64GB, 2x32GB 5200MHz SODIMM, non-ECC
NVIDIA RTX™ 5000 Ada 16GB GDDR6	NVIDIA RTX™ 5000 Ada 16GB GDDR6	NVIDIA RTX™ 5000 Ada 16GB GDDR6	NVIDIA RTX™ 5000 Ada 16GB GDDR6
512 GB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD	1 TB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD	512 GB, M.2 2280, Gen 4 PCIe x4 NVMe, SSD	1 TB, 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	17" UHD 3840x2160 WLED WVA, 120Hz, anti-glare, non-touch, 99% DCI-P3, 500 nits, IR Camera, with Mic	16-inch, OLED UHD+ 3840 x 2400, 60 Hz, Anti-Glare, Touch, 100% DCIP3, 400 Nits, IR Cam/Mic WLAN	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	Windows 10/11 Pro or Windows 10/11 Pro for Workstations	Windows 10/11 Pro or Windows 10/11 Pro for Workstations	Windows 10/11 Pro or Windows 10/11 Pro for Workstations
3 Years ProSupport with Next Business Day Onsite Service	3 Years ProSupport with Next Business Day Onsite Service	3 Years ProSupport with Next Business Day Onsite Service	3 Years ProSupport with Next Business Day Onsite Service
Customize & Buy	Customize & Buy	Customize & Buy	Customize & Buy

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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**