# Harness the ultimate power for creating and building.

Dell Precision 7875 Tower

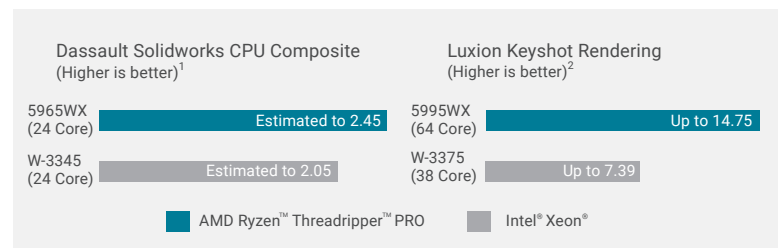## Dell Precision 7875 Tower powered by AMD Ryzen™ Threadripper™ PRO 7000 WX-Series processors

Massive datasets, complex simulations and tight deadlines are common in design and manufacturing. Engineers require a versatile workstation processor capable of addressing the different compute requirements of their key workflow applications. AMD Ryzen™ Threadripper™ PRO processors offer the best of both worlds now with high frequency cores to tackle lightly threaded 3D design tasks, industry leading core count for multi-threaded simulation and generative design along with leading memory capacity and memory channels to take on the most complex projects. Additionally, AMD Ryzen™ Threadripper™ PRO processors feature PCIe Gen 4.0 and 5.0 bus, support for up to 2TB of memory, 8-channel and AMD PRO technologies for peak professional productivity.

AMD THREADRIPPER PRO

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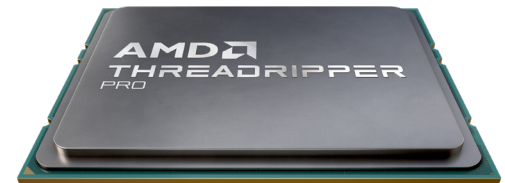
| Gen 4.0 and 5.0 PCIe Bus	UP TO 2TB OF MEMORY	FULL-SPECTRUM COMPUTE CAPABILITY	AMD PRO TECHNOLOGIES	NATIVE 1G + 10 G NEWORK	ECC RAM WITH DELL RMT PRO	RAID 0/1/5/10
For advanced GPUs and storage	To tackle the most demanding projects	For lightly threaded and multi-threaded tasks up to 96 cores	To help with data protection and manageability	Fast network speeds for high speed connect to PDM system	For enhanced reliability and reduced system downtime	For performance and redundancy

The Right Tool for the Job

AMD Ryzen™ Threadripper™ PRO processors offer excellent performance for both lightly threaded and multi-threaded workloads. For designers and engineers, this means you don't have to sacrifice productivity when switching between interactive and computational tasks with different compute requirements. Take advantage of the AMD Threadripper™ PRO processor's high frequency cores for general 3Dmodeling and design tasks with tools like Dassault SOLIDWORKS® and up to 96 cores for generating photorealistic renderings and animation with popular render engines like Keyshot, as well as a simulation and analysis applications like ANSYS CFX, Mechanical and Fluent.

Dassault Solidworks CPU Composite
(Higher is better)[1]

5965WX (24 Core)	Estimated to 2.45
W-3345 (24 Core)	Estimated to 2.05

Luxion Keyshot Rendering
(Higher is better)[2]

5995WX (64 Core)	Up to 14.75
W-3375 (38 Core)	Up to 7.39

■ AMD Ryzen™ Threadripper™ PRO   ■ Intel® Xeon®

AMD Pro Technologies

AMD PRO technologies provides layers of security features, seamless manageability, and reliable longevity so you can work confidently and securely. AMD innovations go beyond pure processing speed because today's modern workplace needs every possible advantage.
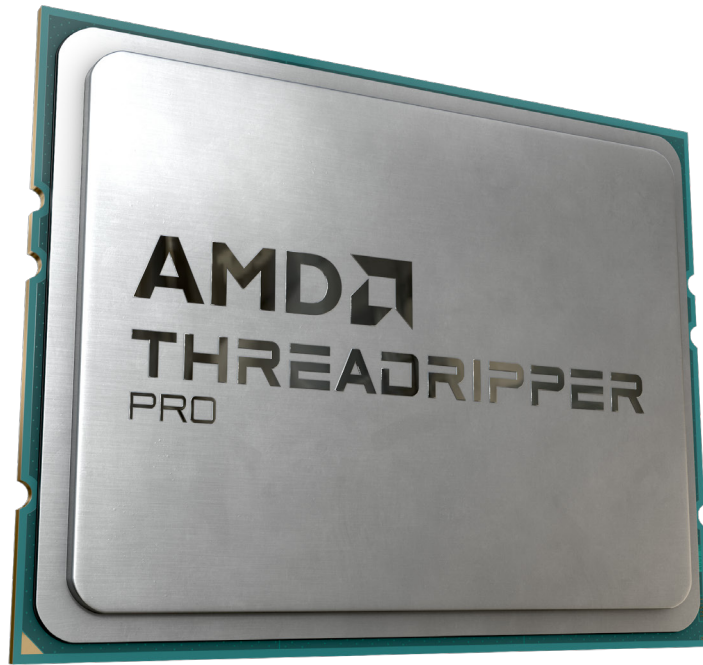
Meet the New Precision 7875 Tower

This new high-performance tower offers full-spectrum performance for a variety of demanding professional applications, powered by the latest AMD Ryzen™ Threadripper™ PRO processors. Bridging clock speed (valuable in interactive workflows such as computer-aided design) and multi-core computation, up to 96 cores (needed for workflows such as simulation and rendering), the Precision 7875 Tower allows you to create, simulate and render simultaneously, without sacrificing performance.
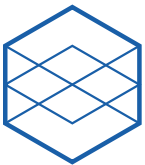
More power shouldn't mean more heat. The newly designed chassis features a hexagonal venting pattern that supports dedicated air channels for critical components. This enhances both thermal efficiency and acoustic performance, meaning you can focus on work while the system runs smoothly and quietly.

You will see Dell's longtime commitment to serviceability reflected in the Precision 7875 workstation. Servicing and upgrading are made simpler with convenient front and side access. A look inside reveals tool-less interiors and organized, color-coded components that make it more intuitive to upgrade memory, storage or graphics cards as power demands increase. Looking to the future, Dell engineers prioritized upgradability and scalability to meet the performance needs of today and tomorrow.