

REALIZE

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GLOBAL SPONSORS





Precision World's most powerful workstations



DELLPRECISION
20YRS



Dell leads workstation innovation



1997

Dell enters the personal workstation market



2001

First to launch a mobile workstation



2005

First tier 1 vendor to launch dual-core workstation



2008

First to introduce 2U rack workstation



2012

Announced award-winning tower & mobile chassis design & world's most powerful 15" and 17" mobile workstations



2013

Launched smallest tower, most powerful rack, first automated workstation performance tool, and world's thinnest and lightest mobile workstation



2014

Introduced first entry mobile workstation category, and industry-first workstation virtualization solutions



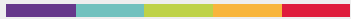
2016

Defined industry first VR ready workstation solutions and demo'd the first mobile VR workstation concept

Creatives



Engineers









Why a workstation?

For the most mission critical work, workstation reliability and performance is essential

- Hardware cost ROI, as early as a few days
- Professional Graphics: AMD FirePro™ or NVIDIA Quadro®
- Most powerful processors (Intel® Xeon®), fastest memory speeds, more memory capacity, and faster SSD drives
- ISV Certified with key applications like AutoCAD, Adobe Premiere, SOLIDWORKS and more
- Dell Precision Optimizer for up to 121% more performance
- Precision Tower 3000 Series up to 227% faster than OptiPlex 7040
- Precision 15 3000 Series up to 30% faster than Latitude 5570







These roles & functions need a workstation

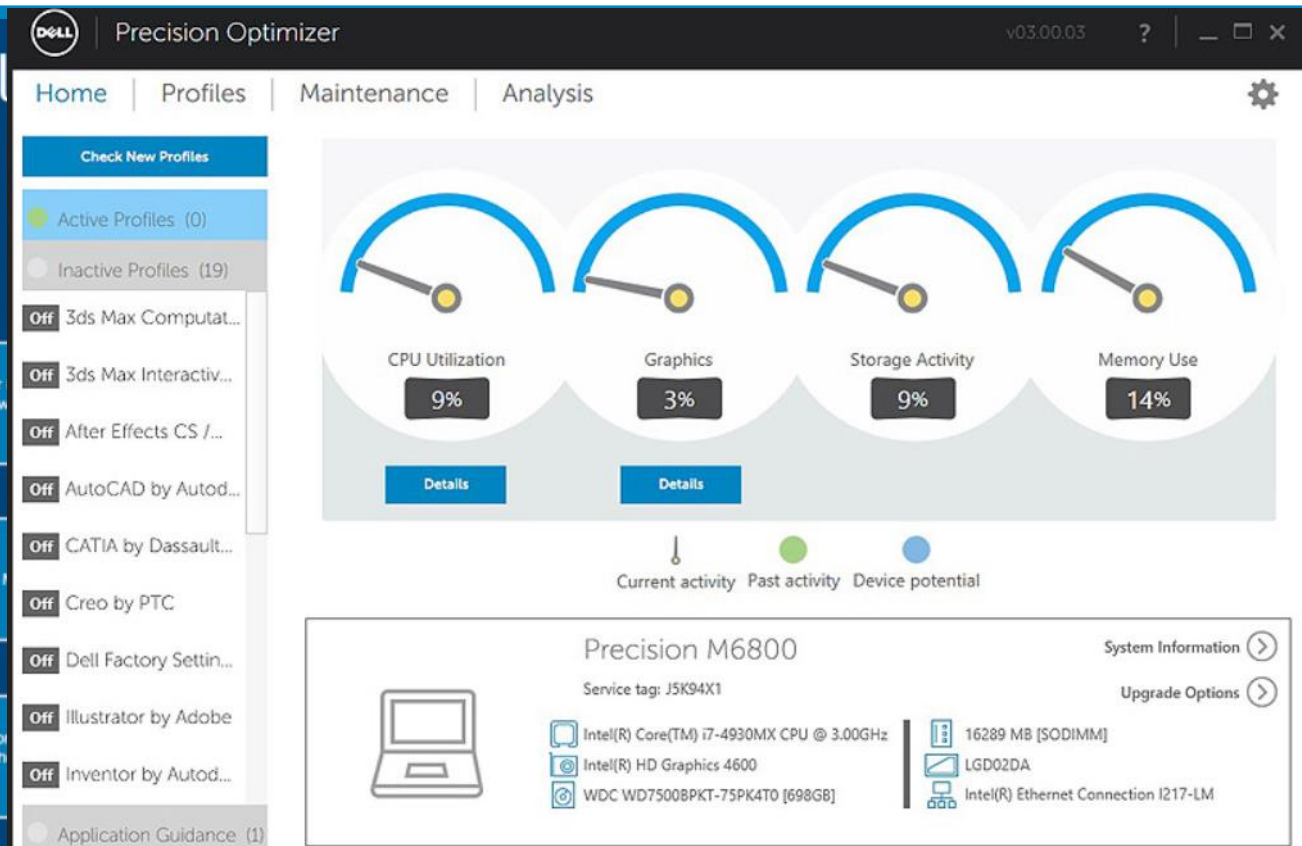
 Manufacturing & Engineering	 Media & Entertainment	 Oil & Gas: Exploration & Simulation	 Economics & Financial Services
Computer aided design (CAD)	Design/Create	Oil & Gas	Economic Modeling
Computer aided Engineering (CAE)	3D Modeling	Simulation (SIM)	Stock Market
Automation	Animation	Defense	Economic Forecasting
Architecture eng.	Film/Video Editing,	Geo engineering	Trading
Construction eng.	Post-Production	Geo Sciences	Data Warehouse
Computer Aided Manufacturing (CAM)	Image Editing	Biochemical	
Visualization	Professional Audio		
	Game Development		



Workstation benefits

 Manufacturing & Engineering	 Media & Entertainment	 Oil & Gas: Exploration & Simulation	 Economics & Financial Services
Responsiveness of large models	Faster rendering	Faster response to large data sets	Run complex simulations faster
More iterations while shortening project timelines	Speed & faster workflow time	Detailed visualization	Multiple monitors for visualization
Faster simulation analysis	More mobile capabilities	Faster simulations	More mobile capabilities
Less physical prototypes	Increased creativity	More mobile capabilities	
More mobile capabilities			

Precision leads in the things that matter



Smart Design: best-in-class chassis innovation

Rethinking workstation design from the inside out



Convenient, push button lock



Handles for easy deployment



Better airflow for a quieter, cooler user experience



Easy troubleshooting. Functioning PSU handle glows



Tool-less externally accessible power supply



Tool-less, quick release hard drives. Externally accessible on Tower 7910



Dell Precision Portfolio



Precision Portfolio



Dell Canvas



3000 Series Mobile and Towers

Workstation
performance
made affordable



5000 Series Mobile

The world's
thinnest,
lightest
workstation



5000 Series All-in-One*

Immersive,
powerful
performance in
a stunning
design



5000 Series Tower*

Big power
in a compact,
innovative
design



7000 Series Mobile

Most powerful
15" & 17"*
mobile
workstations



7000 Series Tower*

Most
powerful and
scalable
workstations



7000 Series Rack

Ultimate
performance
and security
for 1:1 and
1:many

Entry

Premium Design

World's most powerful workstations



Precision 7720



The world's most powerful mobile workstation

- First VR-ready mobile workstation
- The latest Intel® Core™ and Xeon® processors
- Next generation professional graphics: 2xRadeon Pro™ WX and 4xNVIDIA Quadro®.
- 3 display options up to UHD w/100% Adobe RGB
- Faster 2400Mhz & 2667Mhz DDR4 memory - up to 64 GB NECC / ECC
- Exclusive Dell Precision Optimizer auto-tuning runs pro apps even faster
- No ID change from previous generation



Precision 5520



The world's thinnest, lightest, smallest 15" mobile workstation.

- The latest Intel® Core™ and Xeon® processors
- Next generation NVIDIA Quadro® M1200 professional graphics – 4GB
- 2 display options up to UHD touch w/100% Adobe RGB
- Faster 2400Mhz DDR4 memory - up to 32GB
- Higher capacity batteries up to 97Whr battery
- Exclusive Dell Precision Optimizer auto-tuning runs professional apps even faster
- Cable docking (No E Dock)
- No ID change from previous generation



Precision 3520



- All new design. (less than 5lbs).
- The latest Intel® Core™ and Xeon® processors
- Next generation NVIDIA Quadro® M620 professional graphics – 2GB
- 3 display options up to FHD touch
- Faster 2400Mhz DDR4 memory - up to 32GB NECC / ECC
- Higher capacity batteries up to 68Whr 4 cell battery / 92Whr cell option
- Cable docking (No E Dock)
- Exclusive Dell Precision Optimizer auto-tuning runs professional apps even faster



Precision Tower 3000 Series

(3620)



[View Video](#)

[View Specs](#)

More performance in an expandable mini-tower

- Powerful 7th gen Intel® Core™ and E3 Series v6 Intel® Xeon® processors
 - I7-7700K Processor delivers max performance for Single threaded applications (4.5Ghz Turbo, No Overclocking)
- 2400Mhz NECC or UDIMM ECC memory; up to 64GB
- Dell Precision Optimizer automatically tunes your Workstation
- Dell Reliable Memory technology PRO (RMT PRO) reduces user downtime
- Up to 2x PCIe SSD (1x on M.2 Slot on Motherboard + 1x on actively cooled Dell Precision Ultra-speed drive for up to 4x faster than traditional SATA SSD drives
 - Up to (2) PCIe SSD and up to (2) 3.5" SATA or (4) 2.5" SATA drives
- Responsive AMD FirePro™ and NVIDIA Quadro® professional graphics options (Up to 150W)

Precision Tower 3000 Series

(3420)



[View Video](#)

[View Specs](#)

More performance in our smallest tower chassis ever

- 7th gen Intel® Core™ and E3 Series v6 Intel® Xeon® processors
- 2400Mhz NECC or UDIMM ECC memory; up to 64GB
- Dell Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible
- Dell Reliable Memory technology PRO (RMT PRO) reduces user downtime
- Up to 2x PCIe SSD (1x on M.2 Slot on Motherboard + 1x on actively cooled Dell Precision Ultra-speed drive for up to 4x faster than traditional SATA SSD drives
 - Up to (2) PCIe SSD and up to (1) 3.5" SATA or (2) 2.5" SATA drives
- Responsive AMD FirePro™ and NVIDIA Quadro® graphics options (Up to 50W)



Precision 5720 All-in-One



The world's most powerful All-in-One workstation.

- **First VR-ready All-in-One workstation**
- **Outstanding reliability** with ISV certifications, ECC memory and Dell Precision Optimizer
- **Beautiful front-of-screen experience** from a 27" 4K panel with 100% Adobe color gamut to reproduce real world colors and a narrow border for more screen real estate
- **Powerful performance** with Intel® Xeon or Intel® Core™ processors, professional AMD FirePro™ graphics, studio quality audio and 2x Thunderbolt™ 3 ports
- **Easy** to service and manage with simple access to components and the world's best manageability



Dell Canvas

Available 1HCY2017*



Work at the speed of thought.

- An entirely new method of creating designs and interacting with data
- 27" touchscreen that lays flat on user's desk or can be articulated up to 10° with integrated feet
- Optional adjustable stand that articulates to 90 degrees with infinite points of articulation.
- 20 point touch for collaboration, highly Precise pen for creation and dual-handed productivity enabled via totems
- Full Integration with key ISV applications such as Adobe, Autodesk, Avid, Solidworks, Landmark etc.
- Premium experience in Windows 10 Continuum
- System compute comes from workstation
- Intended for use in conjunction with a single or multiple vertical monitor(s)





Precision 5820 Tower

Available Q3CY2017*



For NDA customer only – do not print or forward

Big power in an innovative design

- Innovative new compact chassis design supports highly flexible, scalable storage options and externally removable PSU
- Front access storage including SATA, SAS and PCIe M.2/U.2 NVMe SSDs with up to 6 x 2.5" or 5 x 3.5" drives
- Intel® Xeon® (Skylake-W) Enterprise architecture for single socket workstations
- Up to 256GB of new faster 2666Mhz RDIMM memory – four channel memory architecture
- Next generation professional graphics: AMD Radeon Pro™ and NVIDIA Quadro® "Pascal"
- Support for up to 600W of graphics power and up to 2 X 300W cards including consumer cards
- Exclusive Dell Precision Optimizer auto-tuning runs professional apps even faster
- Professional Audio Module and Smart Card Reader (CAC/PIV) options





Precision 7820 Tower

Available Q2CY2017*



For NDA customer only – do not print or forward

Outstanding performance and memory bandwidth in a compact tower design

- Innovative new compact chassis design supports highly flexible, scalable storage options and externally removable PSU
- Front access storage including SATA, SAS and PCIe M.2/U.2 NVMe SSDs with up to 6 x 2.5" or 5 x 3.5" drives
- Intel Xeon (Skylake-SP) Enterprise dual socket architecture
- Up to 384GB of new faster 2666Mhz RDIMM memory – new 6 Ch memory architecture
- 2nd CPU option via plug-in module
- Next generation professional graphics: AMD Radeon Pro™ and Nvidia Quadro® "Pascal"
- Support for up to 2 x 250W graphics cards with single CPU
- Professional Audio Module and Smart Card Reader (CAC/PIV) options
- Exclusive Dell Precision Optimizer auto-tuning runs pro apps even faster.





Precision 7920 Tower

Available Q2CY2017*



For NDA customer only – do not print or forward

The most powerful, scalable Dell Precision tower ever for ultimate performance and expandability

- Innovative new chassis design supports highly flexible, scalable (up to 10 HDD) storage options and externally removable PSU
- Front access storage including SATA, SAS and PCIe M.2/U.2 NVMe SSDs with up to 10 x 2.5" or 3.5" drives
- Intel Xeon (Skylake-SP) Enterprise dual socket architecture
- Up to 768GB of new faster 2666Mhz RDIMM memory – new 6 channel memory architecture, LRDIMM up to 3.0TB w select CPUs
- Next generation professional graphics: AMD Radeon Pro™ and NVIDIA Quadro® "Pascal"
- Support for up to 750W of graphics power and up to 3 double width graphics cards up to 225W including consumer cards
- Professional Audio Module and Smart Card Reader (CAC/PIV) options
- Exclusive Dell Precision Optimizer auto-tuning runs professional apps even faster





Precision 7920 Rack

Available 2HCY2017*



For NDA customer only – do not print or forward

Experience the highest level of secure, remotely accessible 1:1 workstation performance

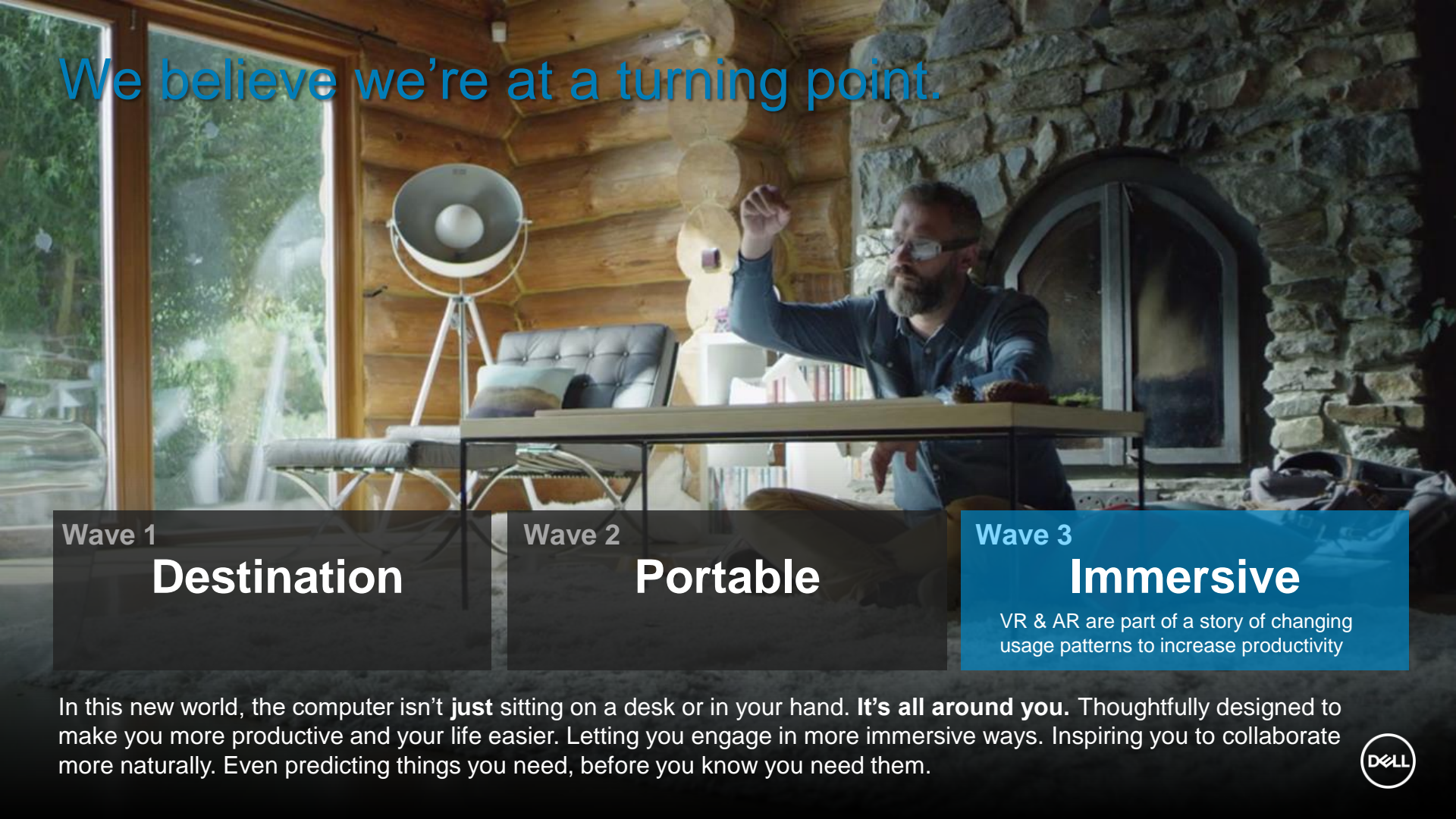
- New 2U industrial design chassis supports scalable (up to 8 HDD/SSD) storage options including Enterprise offerings
- M.2 NVMe PCIE SSD options with RAID support
- Intel Xeon (Skylake-SP) Enterprise dual socket architecture
- Up to 768GB of new faster 2666Mhz RDIMM memory – new 6 channel memory architecture, LRDIMM up to 3TB w select CPUs)
- Next generation professional graphics: AMD Radeon Pro™ and Nvidia Quadro® “Pascal”
- Support for up to 900W of graphics power and up to three double width graphics cards up to 300W each
- Exclusive Dell Precision Optimizer auto-tuning runs pro apps even faster.



Virtual Reality Powered by Precision







We believe we're at a turning point.

Wave 1

Destination

Wave 2

Portable

Wave 3

Immersive

VR & AR are part of a story of changing usage patterns to increase productivity

In this new world, the computer isn't **just** sitting on a desk or in your hand. **It's all around you.** Thoughtfully designed to make you more productive and your life easier. Letting you engage in more immersive ways. Inspiring you to collaborate more naturally. Even predicting things you need, before you know you need them.



Commercial VR the new frontier

- Entertainment, Games, Media and Content Development
- Engineering, Design, Manufacturing, Architectural Visualization
- Simulation and Military Applications
- Medical Research, Diagnosis, Physical and Psychology Therapy
- Journalism and Communication
- Legal and Historical (crime) Reconstruction
- Scientific Visualization
- Virtual Workspaces and Collaboration
- Education and Virtual Travel



Dell “VR-Ready” recommended configurations

Platforms	Dell Precision Tower 5810, Tower 7810, Tower 7910 & Mobile 7720
Processors	Intel Xeon® E5-1600 or E5-2600 <ul style="list-style-type: none">• 1.6Ghz 4C min when using HTC Vive• 2.5Ghz 4C min when using Oculus Rift
Graphics	Pro Class: AMD Radeon Pro WX7100, AMD FirePro™ W9100, NVIDIA® Quadro® M6000/M5000 and P6000/P5000 Consumer: AMD Radeon RX 480 (sold separately)
Memory	8GB + additional as needed for workload size
Storage	256G SSD (SATA) Minimum
Dongles	Passive DP to HDMI dongles where needed

Internal Use - Confidential

Go to <http://www.dell.com/vrready> for the latest recommendations



Precision Portfolio



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7000 Series Rack

Ultimate
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and security
for 1:1 and
1:many

Entry

Premium Design

World's most powerful workstations

DELLEMC