



CAN WORKSTATIONS POWER YOUR ORGANISATION'S **AI APPLICATIONS?**



Software algorithm advancements enable AI systems to perform highly intensive computing tasks such as petabyte-scale data processing, natural language analysis and advanced 3D modelling.

For businesses this translates into increased productivity and operational efficiencies, faster decision-making, competitive edge, and fewer human mistakes, among other things.

However, such operations require commercial workstations to deliver the speed and processing power to support complex AI applications, particularly those requiring detailed graphics.

WHAT IS AI?

There are different levels of AI complexity which can yield a range of advantages for businesses.



in data and enables computers to learn on their own.

What it can do: Product recommendations, sentiment analysis, fraud detection.

WHAT ARE THE INDUSTRIAL USE CASES OF AI?

Manufacturing and engineering organisations are applying AI to transform processes and create new ways of working, with applications becoming increasingly sophisticated as the technology matures.





Safety monitoring and analysis



Factory and demand analytics



THE PROBLEM — PCs AREN'T OPTIMISED FOR PROFESSIONAL TASKS



WHY YOU NEED WORKSTATIONS TO CARRY THE LOAD

Workstations have two key advantages for AI workloads: they feature exceptional GPU computing power, and have the capability to prepare and cleanse data to assist data scientists to run Al experiments: a crucial step in taking advantage of ML algorithms.



Business leaders say the most important features for an AI platform are:¹





WHY BUY A DELL PRECISION WORKSTATION?

Dell Technologies is at the forefront of Al.



The company uniquely provides an extensive portfolio of workstation technologies which enable the data analytics solutions and high-performance computation that underpin successful AI, ML and DL implementations.



Dell collaborates with select industry partners to deliver versatile, cost-effective cognitive technology workstation configurations, so every machine exceeds expectation.



And with a compute-intensive AI tasks, Dell's Intel® Xeon®-based workstations speeds them up with a Deep Learning boost that increases system performance up to 61% compared with a three-year-old workstation.



Dell even applies AI to its own workstations with **Precision Optimizer**, the world's first Al-based performance optimizer software for workstations.





To learn more about how Dell workstations can power your AI applications visit

dellemc.com/EN/workstation-ai