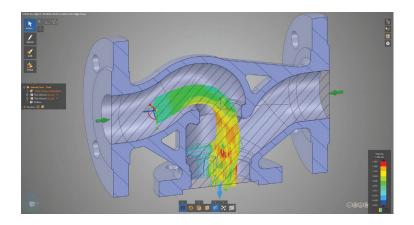


INTERACTIVE GPU-POWERED SIMULATION

Product design is poised to undergo an extraordinary enhancement to the traditional workflow with the adoption of easy-to-use engineering simulation early in the design process. Following the release of ANSYS Discovery Live (ADL), a Windows-based, CAD agnostic software tool that introduced the concept of interactively simulating during design, PTC rolled out Creo Simulation Live (CSL), a native integration of ADL's structural, modal and thermal simulation capabilities in Creo Parametric. By quickly simulating and visualizing in near real time the effects of design modifications, engineers can finally explore better product designs without worrying about slowing the design workflow.

Since both ADL and CSL are based on the NVIDIA® CUDA® parallel computing platform, they take advantage of NVIDIA GPU acceleration that scales up the NVIDIA Quadro® product line. So the more powerful the GPU, the faster the performance and the higher the fidelity. An NVIDIA GPU with a minimum of 4GB of GPU memory is required to run the software, but 8GB is recommended, as offered in the NVIDIA® Quadro RTX™ 4000 and higher.



"The Creo model's easv-to-use interface and near instantaneous results mean our designers have much more freedom to explore design iterations as they digitally refine the product. A recent redesign of one of our products required the creation of nine physical prototypes. Using Creo Simulation Live, we could've reduced that by two-thirds to just three physical prototypes."

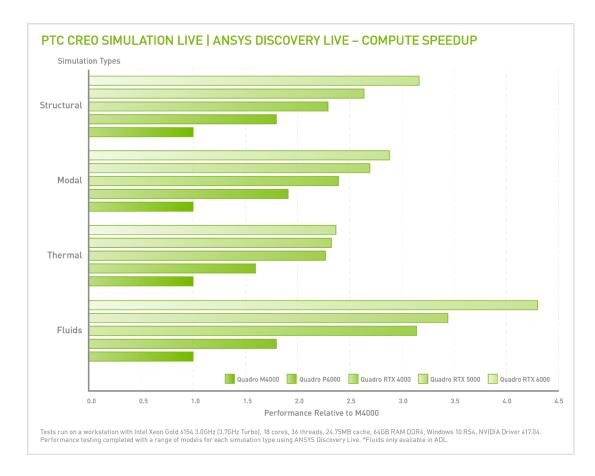
Randy Soukup, Engineering Systems Analyst, Daktronics

NVIDIA QUADRO GPUs UNLOCK THE POWER OF REAL-TIME ENGINEERING SIMULATION NVIDIA QUADRO RTX 4000

The Quadro RTX 4000 is powered by NVIDIA Turing™ GPU technology and features 8GB of high-performance graphics memory to enable an expansive visual workspace with quad display outputs. Work with larger models, simulate design modifications more quickly, render larger images, and create more lifelike VR experiences to maximize your design workflow.



2,304
288
36
8GB GDDR6
7.1 TFLOPS



"My first impression of Discovery Live was that it seemed too good to be true. But it did just what ANSYS said it would do. Previous simulations took a few hours to a day. In Discovery Live, it took only a few minutes with our Quadro GPU."

WILLIAM VILLERS, CTO OF TEN TECH LLC

