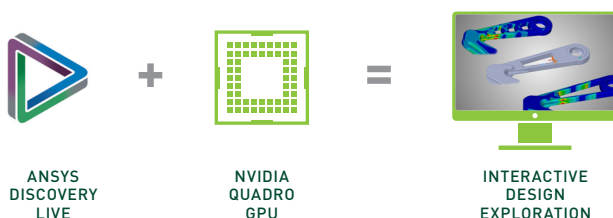




NVIDIA QUADRO ENABLING ANSYS DISCOVERY LIVE

INTERACTIVE GPU-POWERED SIMULATION

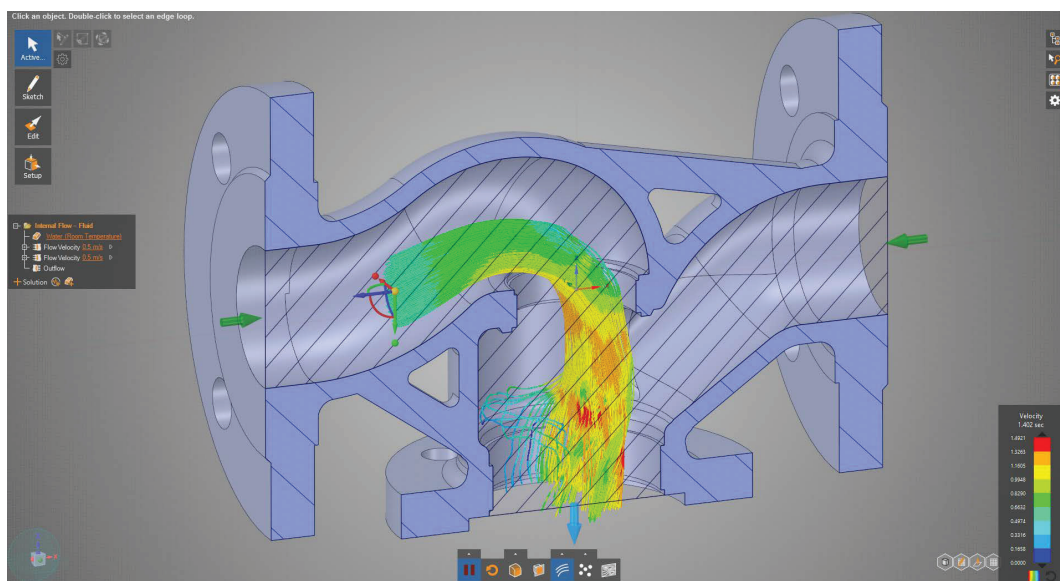
ANSYS Discovery Live's powerful combination of instantaneous simulation and direct geometry modeling gives you the ideal solution for interactive design exploration and rapid product innovation. It's powered by NVIDIA CUDA™ technology and takes advantage of NVIDIA® Quadro® GPUs to bring real-time simulation to your design workflow.



ANSYS Discovery Live unleashes the power of NVIDIA GPUs to provide the first-ever, real-time design environment with simultaneous visualization and simulation. This speeds up time to design and time to market.

“ 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 GP100.”

William Villers,
CTO of TEN TECH LLC



NVIDIA QUADRO GPUS UNLOCK THE POWER OF ANSYS DISCOVERY LIVE

NVIDIA QUADRO P5000

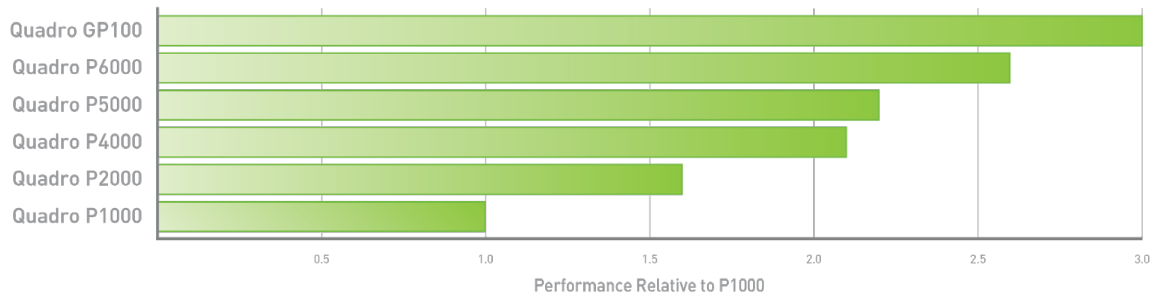
The Quadro P5000 is powered by NVIDIA Pascal™ GPU technology and features 16 GB of high-performance graphics memory to enable an expansive visual workspace with quad display outputs. Work with larger models, render larger images, and create more lifelike VR experiences to maximize your design workflow.



Core	2,560 NVIDIA® CUDA Cores
FP32 Performance	8.9 TFLOPS
Memory	16 GB GDDR5X
Memory Bandwidth	Up to 288 GB/s

ANSYS DISCOVERY LIVE - VOLUMETRIC VISUALIZATION

Maximum Visualization Performance Coupled with Highest Simulation Fidelity



Tests run on a workstation with 2x Intel Xeon Broadwell-EP (Xeon E5-2697 v4 2.3 GHz) 18-core CPU, Driver – 377.55, 256 GB RAM, Win 10 64-bit
Volumetric Visualization performance based on Pipe and Truck sample cases in ANSYS Discovery Live

QUADRO ACCELERATES ANSYS MECHANICAL, FLUENT, and ELECTRONICS SIMULATION WORKFLOWS

NVIDIA QUADRO GP100

Powered by NVIDIA Pascal GPU technology, the GP100 has 5.2 TFLOPS of double-precision floating point performance and 717 GB/s of ultra-fast memory bandwidth. This gives you the graphics and computer power you need for the most demanding ANSYS Mechanical, Fluent, and Electronics simulation workflows.



Core	3,584 NVIDIA CUDA Cores
FP64 Performance	5.2 TFLOPS
FP32 Performance	10.3 TFLOPS
Memory	16 GB HBM2
Memory Bandwidth	Up to 717 GB/s
NVLink	Provides high-speed connection between 2 Quadro GP100s

“I was surprised at how well the results of Discovery Live matched up with the ones from ANSYS Fluent. We have seen significant time savings because of using Discovery Live.”

Andrew Hobbs, Chief CFD/DEM Engineer, Astec, Inc.

For more information about GPU accelerated software and solutions, go to www.nvidia.com/manufacturing