

THE PADT PULSE

MAKING INNOVATION WORK, ONE NEWSLETTER AT A TIME



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Featured Stories

3D Printing: Why You Should Request Work on the SAF H350

Imagine receiving 3D printed parts with unparalleled precision, lightning-fast speed, and cost-effectiveness that exceeds expectations. In part 3 of our series on 3D Printers from Stratasys, we take a look at their newest technology for additive manufacturing.

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A Fresh Look at Kelly Johnson's 14 Rules for Project Management

The most famous aircraft engineer in history, Kelly Johnson, not only led the design of iconic planes, he defined a set of rules that enabled his engineering team to design record-breaking aircraft on time and on budget.

Join us as we take a fresh look at each rule and how it can work today.

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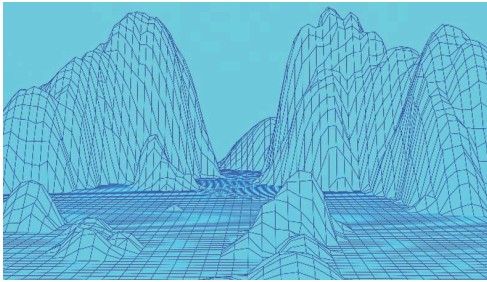


PyAnsys Tutorial - Exporting Ansys Results in 3D File Formats, Part 1

In Part 1 of this series, we take a look at how to use PyAnsys to read a result file, plot stresses, then make a 3D File with the results that can then be converted to a 3D Printer friendly file.

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Los Alamos National Labs Researchers Make Breakthrough Boosting Quantum AI

A groundbreaking theoretical proof shows that a technique called overparametrization enhances performance in quantum machine learning for applications that stymie classical computers.

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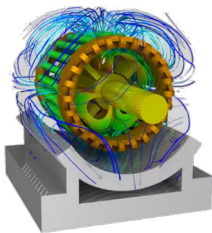


First commercial North American procedure using Medtronic Hugo™

In an important milestone in robot assisted surgery, Medtronic Canada's shared that the first commercial North American surgical procedure using the Hugo™ robotic-assisted surgery (RAS) system was completed at Toronto General Hospital (TGH), part of University Health Network (UHN).

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Featured Products and Services



Simulation Product Ansys Maxwell

Ansys Maxwell is an EM field solver for electric machines, transformers, wireless charging, permanent magnet latches, actuators and other electro mechanical devices. It solves static, frequency-domain and time-varying magnetic and electric fields. Maxwell also offers specialized design interfaces for electric machines and power converters.

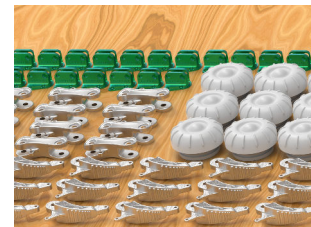
[Learn More](#)



3D Printer Stratasys NEO450e

An affordable industrial-grade 3D printer that produces small to medium parts with consistent accuracy and repeatability. Designed for greater flexibility and versatility, the Neo450 series is available in two models, with different performance and functionality depending on your needs. Dependable and reliable, the Neo450e is designed for nonstop printing of industrial production parts.

[Learn More](#)



Services Product Development

PADT's Product Development team enables world changing [product innovation. We start with engineering fundamentals, add in customer specifications, leverage our in-house design, simulation, test, and manufacturing, and tie it all together with flexible project management to bring your innovation to life.

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Upcoming Events

- 07/24/2023 | [Arizona Tech CEO Leadership Retreat](#)

- 07/25/2023 | Arizona Tech Leadership Golf Tournament
- 09/07/2023 | New Mexico Tech Summit
- 09/12/2023 | Sandia Science & Technology Park 25th Anniversary

What You Missed...



PADT Webinars

- Materials Updates in Ansys Granta 2023 R1
- Revolutionize Packaging Design with Additive
- Optics Updates in Ansys 2023 R1



All Things Ansys Podcasts

- 120: Ansys and Sustainability
- 119: Accelerate Particle Flow Simulation with Ansys Rocky
- 118: Navigating HPC Licensing with Ansys



Videos of the Month

- A look at the Stratasys H350 while it prints.
- Camera lens 3D printed in one piece with soluble support!
- Unboxing the Stratasys PA12 (Nylon Polymer) sales box!

Current Job Openings

- Marketing Specialist-Demand Generation
- Business Development Representative, Software Sales
- Model Based Systems Engineer
- Janitor, Full Time
- Enterprise Account Manager, Software Sales
- Application Engineer, Signal/Power Integrity (CO)
- Application Engineer, Signal/Power Integrity (AZ)

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