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August 2023

www.padtinc.com

Featured Stories

Choosing a 3D Printing Material for its Temperature-Handling Capabilities

Our choices for 3D Printing materials used to be pretty limited when it came to handling higher temperatures. But now, we don't have to choose between chocolate and vanilla. We now have a wide range of polymers that better fit a broad spectrum of applications.

Check out Pam Waterman's latest blog post on the different options available across the full line of Stratasys Additive Manufacturing Systems.

[Read More](#)



How To Access Ansys Customer Websites

Ansys is obsessed with helping their customers get the most from their investment in simulation software, so they have a lot of different websites. PADT's newest addition to our Ansys Support Team, Cortney Harris, created a blog post to sort out the options and provide a smile or two along the way.

[Read More](#)



Not 1, but 3 Posts on Ansys Scripting

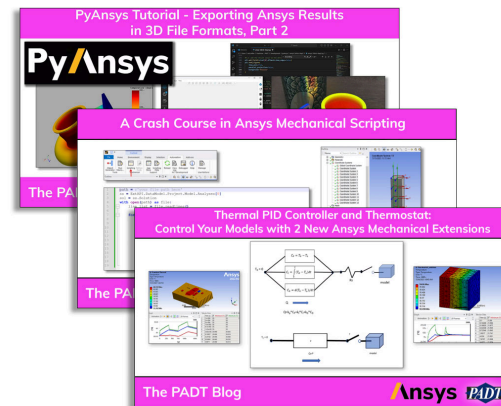
This month our engineers have been working away meeting the demand for more information on using various Ansys scripting tools. So we present all 3 to help your customization efforts:

[PyAnsys Tutorial – Exporting Ansys Results in 3D File Formats, Part 2](#)

[A Crash Course in Ansys Mechanical Scripting](#)

[Thermal PID Controller and Thermostat: Control Your Models with 2 New Ansys Mechanical Extensions](#)

[Read More](#)



Customer Corner

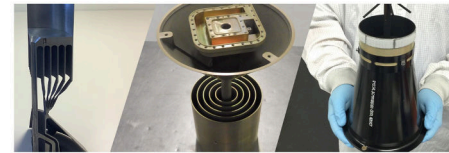


GT Medical Wins 2023 Arizona Bioscience Company of the Year

The Arizona Bioscience Association (AZBio) recently announced that GT Medical Technologies was the recipient of the 2023 Arizona Bioscience Company of the Year for disrupting the status quo in brain tumor treatment.

GT Medical will be receiving the award, along with other recognized companies, at the 2023 AZ Bio Awards in September.

[Read More](#)



3D-Printed GPS Antenna a Pathfinder for Future Satellites

Lockheed Martin has qualified its first complex 3D-printed piece of hardware for spaceflight. The hardware, an omnidirectional antenna for communication relay, has been integrated onto an a GPS III satellite. The form of the new 3D-printed omni antenna is similar to its predecessor, but it's now one solid piece as opposed to being made up of multiple parts that would otherwise need to be hand-soldered together.

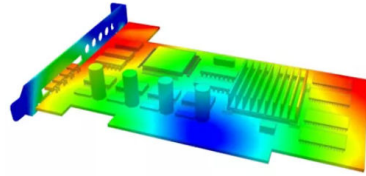
[Read More](#)

Featured Products and Services



Your Online Store
for 3D Printing
Materials

Coming Soon



Simulation Product **Ansys Sherlock**

Ansys Sherlock automated design analysis provides fast and accurate life predictions for electronic hardware at the component, board and system levels in early design stages. If you are simulating PCB's for structural and vibrational load, Ansys Sherlock is the tool you have been looking for.

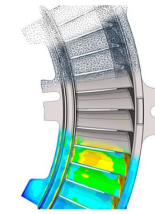
[Learn More](#)



3D Printer **Stratasys F770**

Stratasys F770 printers can handle the big jobs, with the capacity you need to build sizable parts. With a 13 cubic-foot (372 liter) build volume, there's plenty of room to print large manufacturing tools, prototypes and end-use parts. Interested in avoiding the pitfalls of printing large parts and learning how to optimize your results?

[Learn More](#)



Services **3D Scanning**

Getting parts from the real world to the digital realm requires the right hardware, powerful software, and expertise. PADT's team as a full complement of all three and we bring to bear in using CT, Laser, and Structured Light scanning of parts large and small.

[Learn More](#)

Upcoming Events

It's That Time Again

PADT's Annual Open House
www.padtinc.com/nerdtoberfest
October 25, 2023, 4-7



Nerdtoberfest

2023

- 08/30/2023 | [Structures Updates in Ansys 2023 R2 \(1\) – Mechanical, Post & Graphics](#)
- 09/07/2023 | [New Mexico Tech Summit Day 1](#)
- 09/08/2023 | [New Mexico Tech Summit Day 2](#)
- 09/12/2023 | [Experience Stratasys Truck Tour - Tempe, AZ](#)
- 09/12/2023 | [Sandia Science Technology Park 25th Anniversary](#)
- 09/21/2023 | [Accelerating the Energy Transition through Simulation – Katy, TX](#)
- 09/22/2023 | [AIAA Rocky Mountain Section Technical Symposium 2023](#)
- 09/22/2023 | [Experience Stratasys Truck Tour - Dallas](#)

- 09/26/2023 | [Experience Stratasys Truck Tour - Houston](#)
- 09/27/2023 | [2023 AZBio Awards](#)
- 10/02/2023 | [Colorado Life Science Innovation Forum](#)
- 10/18/2023 | [2023 Southern Arizona Tech + Bio Expo](#)
- 10/25/2023 | [Nerdtoberfest - PADT Annual Open House](#)

What You Missed...



PADT Webinars

[Materials Updates in Ansys Granta 2023 R1](#)

[System Automation & Optimization Updates in Ansys 2023 R1](#)

[Solving Supply Chain Issues with Additive](#)



All Things Ansys Podcasts

[121: Simulating Power Electronics](#)

[120: Ansys and Sustainability](#)

[119: Accelerate Particle Flow Simulation with Ansys Rocky](#)



Videos of the Month

[BARBENHEIMER Popcorn Bucket](#)

[PART 1 of Unboxing the SAF Industrial Machinery Kit](#)

[SMART \(Save Material & Reduce Time\) support removal!](#)

Current Job Openings

- [Business Development Representative, Software Sales](#)
- [Enterprise Account Manager, Software Sales](#)
- [Janitorial and Warehouse Associate](#)
- [Marketing Specialist - Demand Generation](#)
- [Model-Based Systems Engineer](#)

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We Make Innovation Work



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