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November 2023

www.padtinc.com

Featured Stories

Hold My Beer 3: Getting Ansys Remote Objects To Come Along For The Ride

PADT's Doug Oatis had a tech support case with an interesting behavior that had a not-exactly-intuitive fix. Which is the perfect topic for his "Hold My Beer..." blog post series. In this installment, he shares how to get your remote objects to move with your geometry changes in Ansys Mechanical.

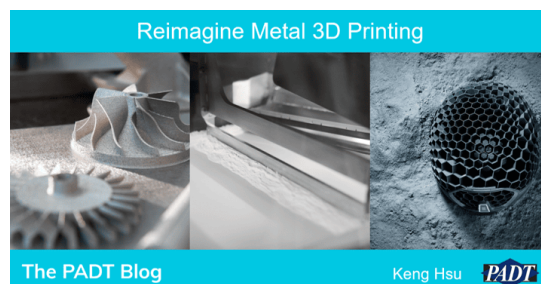
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Reimagine Metal 3D Printing

ASU Professor and PADT Principal AM R&D Engineer Dr. Keng Hsu is on the forefront of research around metal 3D Printing. In his latest article, he looks at how Metal Additive Manufacturing is changing right in front of our eyes and how we need to think about the technology differently.

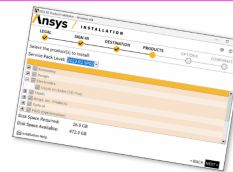
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Ye Ol' Ansys Automated Installer – Peasant Translation

Ansys has introduced a simpler way to install the latest version, 2023 R2. So PADT's Courtney Harris channeled her inner Town Crier and steps users through this much more efficient process. This post is not just useful. It is funny and makes successful references to Dr Who and Monty Python.

Ye Ol' Ansys Automated Installer – Peasant Translation



The PADT Blog



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Customer Corner



ASU Luminosity Labs Wins 2023 GCOI Academic Innovator of the Year Award

This year's winner for Innovate Academic Innovator of the Year award from the Arizona Commerce Authority and Arizona Technology Council was PADT customer, the ASU Luminosity Lab. A PADT customer, the Luminosity lab is an internal consulting group that helps ASU students and professors bring their innovation from concept to design.

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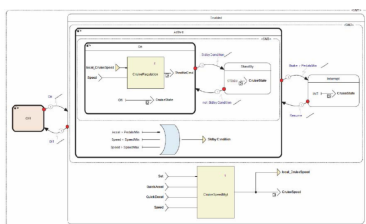


Rivian and Amazon Are No Longer Exclusive for Electric Delivery Vans

After successfully deploying over 100,000 electric delivery vans to Amazon, PADT Customer Rivian is now able to offer their proven solution to other companies. Rivian uses Ansys products to design, simulation and virtually test many different components and systems in their electric vehicles.

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Featured Products and Services



Simulation Product Ansys SCADE

Ansys SCADE Suite is a model-based development environment for reliable embedded software, which provides linkage to requirements management, model-based design, verification, qualifiable/certified code generation capabilities, and interoperability with other development tools and platforms.

[Learn More](#)



3D Printer Stratasy F3300

The F3300 embodies new FDM technology producing significant enhancements in speed, throughput, reliability and quality. It boasts four extruders, linear motors/encoders, and a built in material dryer.

This is the large FDM printer you have been waiting for,

[Learn More](#)



Services Custom Ansys Training

What you want to learn when you want to learn it. Standard classes are not always the best solution, especially when overhead hours are hard to come by, or you have very specific training needs. Our experienced training coordinators work with your team to design the right class of the right length, covering the right topics.

[Learn More](#)

Upcoming Events

- 12/6/2023 | [Twin Builder Updates in Ansys 2023 R2](#)
- 12/7/2023 | [Stratafest 2023 - Houston, TX](#)
- 12/13/2023 | [AZ Tech Council Tech The Halls 2023](#)
- 12/20/2023 | [AZ Tech Council Tucson Holiday Happy Hour 2023](#)
- 01/24/2024 - 01/26/2024 | [Arizona Photonics Days 2024](#)
- 02/06/2024 - 02/08/2024 | [IME West \(MD&M and D&M West\)](#)
- 04/08/2024 - 04/12/2024 | [39th Space Symposium](#)

What You Missed...



PADT Webinars

[Twin Builder Updates in Ansys 2023 R2](#)

[Mechanical Meshing Updates in Ansys 2023 R2](#)

[Additive's Role in Factory 4.0](#)

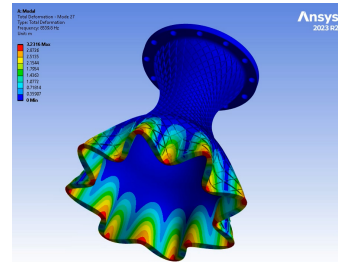


All Things Ansys Podcasts

[124: Ansys Licensing](#)

[123: Simulation in the Medical Space](#)

[122: Mixing Solutions with Ansys Simulation](#)



Videos of the Month

[Rocket Nozzle Modal - First Twenty Fundamental Frequencies Animated](#)

[Size doesn't matter, precision does. SAF technology was made for it.](#)

[Nerdtobefest 2023 Recap, See you next year!](#)

The Latest Definition from PADT's 3D Printing Glossary



Acrylonitrile Butadiene Styrene [ABS]

Acrylonitrile Butadiene Styrene is an opaque **thermoplastic polymer**. **Acrylonitrile Butadiene Styrene** is easily machined, sanded, painted, or glued. It has a high strength, stiffness, and **melting temperature**. It also has good chemical resistance. Because it can be easily melted and formed, it is popular with **injection molding** and **additive manufacturing**. For **additive manufacturing**, it is most commonly formed into a **filament**, wrapped onto a **spool**, and used in **FDM/FFF** machines. Transparent and translucent **ABS** materials have been used in **injection molding** for 15-20 years and transparent/translucent **filament** materials are becoming available for **FDM/FFF**. A growing number of **material extrusion (MEX) additive manufacturing** systems use pellets made from **ABS** as **feedstock** rather than **filament**.

Abbreviated as **ABS**.

Categories: **Material**

Current Job Openings

- [Account Manager, 3D Printer Sales](#)
- [Application & Support Engineer, Structural](#)
- [Business Development Representative, Software Sales](#)
- [Enterprise Account Manager, Software Sales](#)
- [Marketing Specialist](#)
- [Model Based Systems Engineer](#)

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