April 2024 **www.padtinc.com**

Featured Stories

New Stratasys F3300 Significantly Boosts PADT's 3D Printing Services Efficiency and Capability

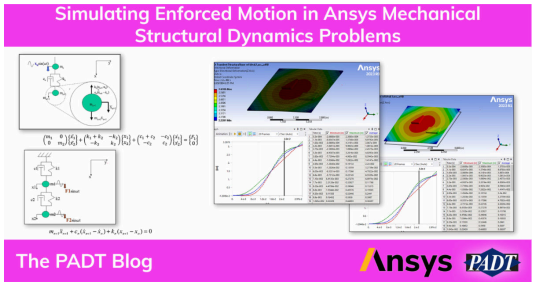
We love it when a big truck shows up in PADT's back parking lot, especially when there is a big crate inside. New equipment has arrived! On this particular April morning, the truck was dropping off PADT's brand-new Stratasys F3300 Industrial Additive Manufacturing system. Everyone said the same thing, "It is so big." In fact, it just fit inside the truck, and we had to use all of our forklift skills to get it through the door.

Read More

Simulating Enforced Motion in Ansys Mechanical Structural Dynamics Problems

Back in engineering school, most of us studied the classical dynamics solution for a harmonic oscillator subject to a base motion. There are four different ways to model this situation in Ansys Mechanical, and PADT's Alex Grishin has created a tutorial to show how to do the first two using base excitation and the large mass method.

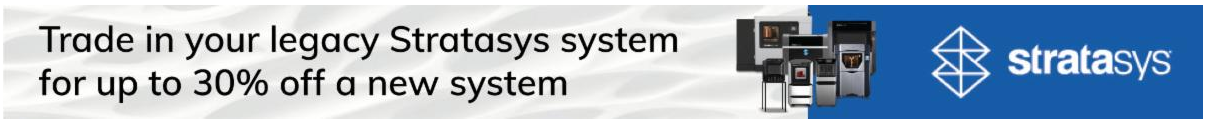
Read More



PADT's Dave Dietrich Featured on 3DPOD Podcast

Episode 194 of the 3DPOD podcast featured PADT's very own Director of Hardware Sales and Support, Dave Dietrich. The fantastic interview with Joris Peels of 3DPrint.com and Maxwell Bogue of WobbleWorks took Dave on a walk down memory lane before digging deep into what PADT is up to these days and his view on the state of the Additive Manufacturing ecosystem.

Read More



Customer Corner

Honeywell's HTF7000 Surpasses 10 Million Flight Hours and 20 Years of Service

The first HTF7000 engines entered service in 2004 on the Bombardier Challenger 300. The engines also power the Challenger 350 and 3500; Gulfstream G280; Cessna Citation Longitude; and Embraer Legacy 450/500 and Praetor 500/600. Many of PADT's employees worked on HTF7000 and Ansys was heavily used in the design and subsequent upgrades.

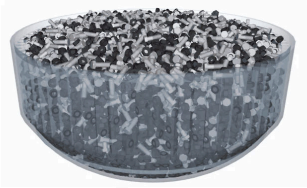
Read More

Ping Reasess Easy-to-hit G730 irons deliver more distance, maximum forgiveness

PING introduced the G730 iron, a distance-delivering, high-launching design engineered with score-lowering forgiveness and consistency. The golf equipment company is a long term user of advanced simulation and additive manufacturing tecnologies.

Read More

Featured Products and Services



Simulation
Ansys Rocky

Ansys Rocky is the industry-leading discrete element method (DEM) software used for simulating the motion of granular and discontinuous material. Rocky is uniquely capable to models real particle shapes including any solids, 2D shells, and rigid and flexible fibers. The simulations are fast and accurate. With multi-graphics processing unit (GPU) solver technology, you can simulate the behavior of different shaped and sized particles in many industrial applications.

3D Printer
Stratasys J850

Design and creativity have no limits. Now, with the Stratasys J8 Series, the same is true for 3D prints.
Our tried and tested technology simplifies the entire design process, streamlining workflows so you can spend more time on what matters – creating, refining and designing the best product possible, incorporating true Color, Material, Finish (CMF) properties.

Learn More

Services
Product Development

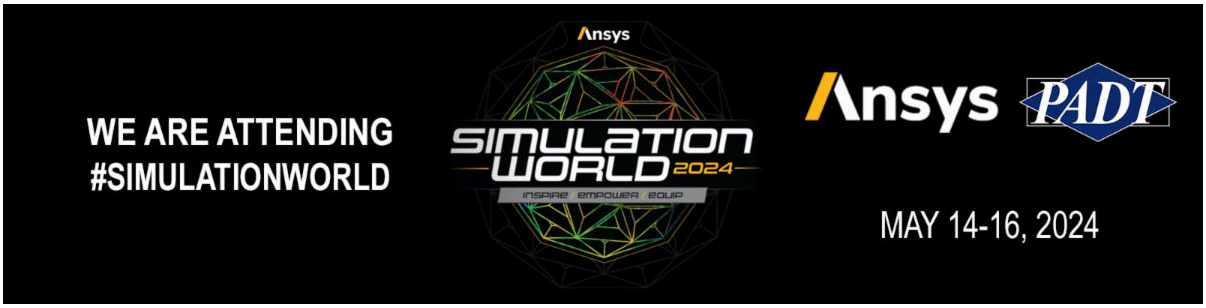
PADT's Product Development team enables world changing product innovation. We start with engineering fundamentals, add in customer specifications, leverage our in-house design, simulation, test, and manufacturing, and tie it all together with flexible project management to bring your innovation to life.

Learn More

Learn More

Upcoming Events

- 05/07/2024 | **Experience Stratasys Truck Tour: Albuquerque, NM**
- 05/07/2024 | **Webinar: Dynamic Simulation for Rocket Propellant System (Flownex)**
- 05/08/2024 | **Webinar: Fluent Materials Processing Updates in Ansys 2024 R1**
- 05/13/2024 | **Experience Stratasys Truck Tour: Tempe, AZ**
- 05/14/2024 - 5/16/2024 | **Simulation World 2024**
- 05/22/2024 | **Webinar: Optics Updates in Ansys 2024 R1 – Lumerical, Zemax & SPEOS**
- 06/12/2024 | **Webinar: Connect Updates in Ansys 2024 R1 – OptiSLang, ModelCenter & More**
- 06/26/2024 | **Webinar: Structures Updates in Ansys 2024 R1 (3) – Materials, Contact & Joint Element**
- 06/27/2024 | **E-Mobility and Clean Energy Summit**
- 10/23/2024 | **PADT30 + Nerdtoberfest 2024**



Albuquerque, NM
05/07/2024 | 10;30 AM - 2:30 PM
National Museum of Nuclear Science & History
601 Eubank Blvd, SE, Albuquerque, NM
Register

Tempe, AZ
05/13/2024 | 9:00 AM - 1:00 PM
PADT Headquarters
7755 S Research Dr, Suite 110, Tempe, AZ 85284
Register

Tucson, AZ
05/16/2024 | 9:00 AM - 1:00 PM
PADT Headquarters
7755 S Research Dr, Suite 110, Tempe, AZ 85284
Register

Space Available

A portion of a suite in PADT's building is becoming available this summer. 3,800 sqft of office and lab

located in the ASU Research Park in Tempe.

- 3,808 sqft in 5,640 sqft suite,
- PADT owned building
- 10 ft ceiling in offices & halls
- 15 ft ceiling in bay
- 10 x 12 garage door at grade level
- ESD flooring in lab areas
- 765 sqft Assembly room/lab space
- Lab is upgradeable to clean room
- Cox fiber internet to building
- 480/277 V 3PH Power
- Fully Air Conditioned
- SRP Power
- Ample Parking

Learn More

What You Missed...

PADT Webinars

Stratasys F3300: Game Changing Throughput for 3D Printing

Enhancing Productivity and Profitability with Multi-Material 3D Printing

Discovery Updates in Ansys 2024 R1

Low Frequency Electronics Updates in Ansys 2024 R1

High Frequency Electronics Updates in Ansys 2024 R1

All Things Ansys Podcasts

126: Structural Updates in Ansys 2024 R1

125: 2023 Wrapup

124: Ansys Licensing

Recent Video

Making life easier. Thumb stud printed in SLS. #3dprinting

3D Printed Airless Basketball

Launch Canada: Student Rocketry Panel - Using Simulation To Propel Designs

---

New Product Releases

FLOWNEX SIMULATION ENVIRONMENT

Flownex SE | 2024

Flownex 2024 brings numerous enhancements and innovative tools. One of the key highlights is the introduction of tools that streamline the transfer of Mechanical results to Flownex, enabling precise fluid temperature profiling. Additionally, this release includes improvements for seamless project change management, generating Word reports, digitizing charts, and much more!

Learn More

Other Stuff

The Latest Definition from PADT's 3D Printing Glossary

Solid Freeform Fabrication [SFF]

Synonyms: *Freeform Fabrication*

The creation of solid parts directly from a computer model without the need for any molds or forms. Additive manufacturing is a subset of solid freeform fabrication where the material is added and no substantive processes are used.
Sometimes referred to as only Freeform Fabrication.

Categories: Manufacturing Term

Join us for our Open House in October:

30th ANNIVERSARY | Nerdtoberfest 2024
padtinc.com/nerdtoberfest
October 23, 2024

Current Job Openings

- Business Development Representative, Aerospace 3D Printer Sales
- Business Operations Administrator, Engineering Services
- Application & Support Engineer, Structural

Thank you for taking the time to read our email. If you have any questions, reach out at 480.813.4884 or **info@padtinc.com** or learn more at **www.padtinc.com**. Always feel free to forward this to anyone you think might be interested.

PADT **We Make Innovation Work**

Did someone forward this email to you?
You can add your own email to our list **here**
and get The PADT Pulse every month.