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INTERNATIONAL MANUFACTURING
TECHNOLOGY SHOW

NEWS RELEASE

IMTS Is the Additive Manufacturing Destination for 2022

McLean, Va., (October 28, 2021) – Just as space sparks the imagination, additive manufacturing (AM) is sparking new solutions while also solving mainstream industrial challenges in ways unimaginable just a few years ago, such as 3D printed components for NASA’s Artemis moon program. The people and companies propelling AM forward will connect at [IMTS 2022](#) – The International Manufacturing Technology Show, which is now considered a primary AM destination.

IMTS 2022 will showcase AM solutions as part integrated manufacturing technology offerings in the Metal Removal, Quality Assurance, CAD/CAM, and other [Technology Pavilions](#) covering 1.1 million sq. ft. of exhibit space. Held at Chicago’s McCormick Place, IMTS 2022 will also feature more than 55 exhibitors in the Additive Manufacturing Pavilion, AM breakthroughs in AMT’s Emerging Technology Center, and co-located conferences with AM technical presentations.

“The pace at which AM technologies accelerate makes IMTS 2022 a must-attend event,” says Peter R. Eelman, vice president & CXO at AMT – The Association For Manufacturing Technology, which owns and produces IMTS. “Visitors will see AM solutions for production and high-volume part applications, tooling, workholding and fixturing that improve performance, lower lifecycle costs, and help reshore production. They’ll also be able to meet people pushing the boundaries of AM, including multiple technologies and components being developed for NASA.”

Benjamin Moses, director, technology at AMT, says that, “IMTS exhibitors and AMT members have developed new additive systems with extremely large print volumes, yet they deliver the deposition precision and repeatability that NASA demands due to in-situ metrology and closed-loop controls.”

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Developments include an 11-ft.-tall main rocket engine nozzle liner printed from JBK-75 (a stainless steel hydrogen-resistant superalloy) and a scanning electron beam microscope combined with an electron beam 3D metal printing system for replicating parts in space ([see story](#)).

“Wire AM systems developed for aerospace parts are well-suited for tooling and other large components,” comments Moses. “In addition, modeling software developed to validate these concepts will help other industries build AM parts faster, at lower cost and with high quality.”

Tank Teamwork

To create solutions for complex challenges, companies with AM solutions are collaborating to win contracts by coordinating with best-in-class technologies. As an example, a team of subcontractors from Ingersoll Machine Tools utilizing their MasterPrint® product offering and integration abilities (large scale additive machines), Siemens (digital twin software) and MELD Manufacturing (the patented thermo-mechanical MELD® process) will help build the world’s largest metal 3D printer as part of U.S. Army’s Jointless Hull Program. The system will have a print volume of 20 x 30 x 12 ft. — large enough to print the next generation of main battle tank hulls and other combat vehicles, as monolithic hulls have well-established advantages in survivability and weight savings.

“Teamwork solved a real market problem, and that’s a great reason to attend a show like IMTS,” says Jason Melcher, vice president of sales, Ingersoll Machine Tools, Inc. “From a collaboration standpoint, we attend conferences and trade shows specifically to listen to a particular technology presenter or visit a particular exhibit. What we don’t know is who else we’ll meet at the show — yet we always find people with solutions that we haven’t been able to even think about. Today, there’s too many problems and too many opportunities to tackle on our own. We as an industry need to find partners, and IMTS and its conferences are great venues for doing so.”

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Surging Demand

AM education opportunities at IMTS 2022 include the next edition of the Additive Manufacturing Conference presented by *Additive Manufacturing Media*, which is co-located with IMTS during show years. The AM Pavilion and AM Conference are located across the main concourse from each other in the West Building of McCormick Place (see [floor plan](#) with exhibitors).

“In the midst of what appears to be long-term supply chain issues and a greater emphasis on reshoring, we are now in a different place with additive manufacturing,” says Peter Zelinski, editor-in-chief of *Additive Manufacturing Media* as well as *Modern Machine Shop* magazine. “Using 3D printing to make both end-use parts and tooling is now recognized for the part it plays in an agile production strategy. It is no longer the case that it's a novel and interesting development that AM has a place at IMTS. Instead, it's now vital that IMTS includes AM, because attendees need this capability and know they need it.”

“The manufacturing economy has grown for 16 consecutive months, and the challenges manufacturers and job shops face have never been greater,” says Eelman. “The most efficient way to increase productivity per employee and create a lean supply chain is by implementing digital technologies such as additive manufacturing, and IMTS showcases the most complete breadth and depth of digital technologies available.”

Image Information

JPG: DM3DRocketNozzleLiner

Credit: NASA / DM3D

Caption: The IMTS 2022 Additive Manufacturing Pavilion will showcase technology for large parts, such as this rocket engine nozzle liner for NASA, from exhibitor DM3D Technologies, [booth 433020](#) in the West Building.

Conversations within the IMTS community are continuing on social media:

@ Twitter: [@IMTSChicago](#) or #IMTS

LinkedIn: [The IMTS LinkedIn Group](#)

Facebook: <https://www.facebook.com/IMTS.show>

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MEDIA NOTES:

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IMTS – International Manufacturing Technology Show - The largest and longest running manufacturing technology trade show in the United States is held every other year at McCormick Place in Chicago, Ill. IMTS 2022 will run Sept. 12-17. IMTS is ranked among the largest trade shows in the world. Recognized as one of the world's preeminent stages for introducing and selling manufacturing equipment and technology as well as connecting the industry's supply chain. IMTS attracts visitors from every level of industry and more than 117 countries. IMTS 2018 was the largest in number of registrations (129,415), net square feet of exhibit space (1,424,232 sq. ft.), booths (2,123) and exhibiting companies (2,563). IMTS is owned and managed by AMT – The Association For Manufacturing Technology.

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AMT – The Association For Manufacturing Technology represents and promotes U.S.-based manufacturing technology and its members—those who design, build, sell, and service the continuously evolving technology that lies at the heart of manufacturing. Founded in 1902 and based in Virginia, the association specializes in providing targeted business assistance, extensive global support, and business intelligence systems and analysis. AMT is the voice that communicates the importance of policies and programs that encourage research and innovation, and the development of educational initiatives to create tomorrow's Smartforce. AMT owns and manages IMTS — The International Manufacturing Technology Show, which is the premier manufacturing technology event in North America. www.AMTonline.org

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