

Welcome to the Fourth Industrial Revolution

April, 2018

Therwood Corporation Video of 3D Printed Marine Boat Hull Pattern

This 3D Printed Marine Boat Hull Pattern is made out of technical Extruded ABS LT1 3DP. The entire print, assembly and trim process required less than ten working days to complete. After the printed and trimmed tool was coated and finished, a fiberglass mold was produced using the printed pattern. This effort clearly demonstrates the feasibility, practicality, economics and advantages of using additive manufacturing in the production of boat tooling. For more information on LSAM go to: http://www.therwood.com/team_home.htm



Cevotec and Composite Automation Bring Unique Composite AM Technology to North America

Cevotec partnered with Composite Automation to introduce its innovative Fiber Patch Placement composite additive manufacturing technology to the North American market. The collaboration announced at JEC World 2018 in Paris, expands the range of advanced process technologies for fiber composites available to North American manufacturers.

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Medical Device Company Uses Carbon 3D Printing Technology to Reduce Product Turnaround by 70%

California-based BIOLASE, Inc. is a medical device company and Stratasys reseller that supplies dental imaging equipment, such as CAD/CAM scanners, and laser systems. The company decided to work with Southern California contract manufacturer and 3D printing service bureau Dinmore Inc., a previous Carbon partner, in order to replace a very important part of a medical device that has not yet been launched.



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3D Printed Insoles Made White You Shop Now Available at Costco



RESA has launched a 3D printed insole service in Costco stores. The machines allow customers to create their own shoe and activity profile and get a personal RESA insole recommendation. Options include a preferred density and customized top cover for a 100% tailored insole. For more information, visit the RESA website at: <http://www.resawear.com/insoles.html>

ING predicts that by 2060, half of all manufactured goods will be printed
 3D printing could out world trade by a quarter in as little as forty years. Its extraordinary potential impact is huge.

[Download the Report Here](#)

HP Reinvents 3D Printing Technology: Case Study / White Paper



HP optimizes the product design process and reduces supply chain costs by exploring new ways to produce parts for high-value equipment that is sold in low volumes.

[Read the White Paper Here](#)



Chris Wentworth
 Chris is CMTC's product development and Additive Manufacturing (AM) expert. With over 20 years of experience in manufacturing, sales and business development, Chris brings a wealth of knowledge to small and medium-sized manufacturers.

Additive Manufacturing Training Program

Lunch 'N Learn
May 11, 2018
Noon - 1:30 p.m.
Formalloy
 2810 Via Orange Way, Suite A
 Spring Valley, CA 91978

"Additive Manufacturing: The Evolution of 3D Printing" This no cost event is designed to give the small and medium-sized manufacturer an overview of the current state of Additive Manufacturing, new developments in technology and new trends manufacturers need to be aware of. It will focus on real world technologies and how they can be used to help improve productivity and grow your business. Lunch will be provided.

[Reserve Your Complimentary Seat Here](#)



Formalloy's 3D metal printing technology utilizes Laser Metal Deposition (LMD) to create metallic parts to near-net shape, increasing the design envelope while providing a more economical solution than producing the same part with conventional methods. Formalloy's 3D printing systems enable reduced machining time and nearly eliminate material waste, particularly with high-value materials such as titanium and Inconel. 3D printing parts with Formalloy's process can provide design features that can't be achieved with conventional manufacturing methods, such as internal cooling channels and multi-metal parts. For more information on Formalloy, please visit their website at: www.formalloy.com

Ford is investing in Desktop Metal, a 3-D printing start-up



Ford is leading a \$65 million venture investment in Desktop Metal, a start-up that wants to give U.S. manufacturing a boost with its 3-D metal printers.

Desktop Metal systems can rapidly churn out finished parts of steel, aluminum or many other alloys. The company's machines come in two sizes, a smaller one for use in confined spaces like a design studio, and a larger one for use in factories.

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CMTC Offers AM Consulting

CMTC can help you! Additive Manufacturing may be able to help you save money and improve quality. Let us help you minimize risk as you explore AM printing technology. We can advise you on new manufacturing methods, equipment and revenue streams. Don't get left behind. Contact me at cwentworth@cmtc.com, to get help with understanding additive. We can help you keep up with the latest Additive Manufacturing technology!

Contact Me

I'm always happy to answer any questions you may have about AM or CMTC. Please click on the button below to reach me.

[e-mail me](#)

Chris Wentworth | Additive Manufacturing Practice Lead
 CMTC
 690 Knox Street, Suite 200 | Torrance, CA 90502
 Tel: (310) 566-9851 | Fax: (310) 566-1381
 Web: www.cmtc.com

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