ZERO POINT
Additive Manufacturing News

By: Chris Wentworth, AM Tech Lead

CMTC
California's Manufacturing Network

Welcome to the Fourth Industrial Revolution

February, 2018

Upcoming Events

DON'T MISS OUT!

CMTC Additive Manufacturing Training Program

Lunch 'N Learn

Date: Friday, February 23, 2018
Time: 11:30 am to 1:00 pm
Location: Dinsmore, Inc.
1681 Kettering Street
Irvine, CA 92614

SEE THE LATEST ADDITIVE TECHNOLOGY IN ACTION!

Chris Wentworth, CMTC's Additive Manufacturing Practice Lead, will present at this no cost event which is designed to give the small and medium-sized manufacturer an overview of the the current state of Additive Manufacturing, new developments in technology and new trends manufacturers need to be aware of. The presentation will focus on real world technologies and how they can be used to help improve productivity and grow your business. The event will be held at Dinsmore, Inc. which has all of the latest additive equipment, including an HP multi-jet fusion machine, which you'll be able to see in action during the Lunch 'N Learn.

**Lunch will be provided.*

Register Now!

Pacific Design and Manufacturing Show

Come see me speak at the upcoming Pacific Design and Manufacturing Show.

Beyond Prototyping: The New Landscape of Industry & Production
Speaker: Chris Wentworth (Additive Manufacturing Technology Practice Lead, CMTC)
Location: Anaheim Convention Center, 2088
Date: Wednesday, February 7
Time: 8:30 am - 9:15 am
Conference Track: 3D Printing

3D printing is not a new technology, yet there are still people out there who are unsure of the best way to use it in their manufacturing processes or to make parts that actually work. What they do know is that they are moving away from prototyping. This session will discuss best practices for taking parts to production.

Register for the event

GE taking a leap and changing manufacturing forever

Jet engines may be large and complicated machines. But the small parts inside them can make a big impact on how they work. Listen and learn how 3D printing is transforming the way GE Aviation makes its engines. But the revolution will be felt far beyond GE.

Bugatti's New Brake Caliper Is the Largest Functional Component 3D Printed in Titanium

With its Veyron and Chiron super sports cars, Bugatti has established a position as a pioneer for new technical developments and innovations in the extreme performance sector of the automotive industry over the past few decades and has set breathtaking performance data and records. Now the Development Department of the French luxury brand has achieved a new coup. For the first time, the Bugatti developers have succeeded in designing a brake caliper that can be produced by 3D printing.

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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 3D 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

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

Chris Wentworth

Digital Metal announces 50% expansion to Hoganas production plant

Digital Metal, a 3D metal printing company, has increased the Hoganas production plant by 50% to support serial manufacturing of its DM P2500 and new components.

Since launching the DM P2500 metal 3D printer last year, the company has experienced significant demand and has sought to expand its operations. Not only will there be larger floor space, Digital Metal has also reported the recruitment of more engineers, technicians, sales employees, and additional funding for materials research and development.

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Forecast 3D Moving Beyond Prototyping to Full Production

Several industries like Aerospace, Automotive and Medical have been moving toward 3D printed metal and plastic parts as new technologies come on line.

Now plastic processors have a real threat. HP's Multi Jet Fusion machines are making 3D printed plastic end use production parts, not just prototypes.

Forecast 3D in Carlsbad installed 12 MJF printers last year and within a few months it has already become 20% of their business.

If you have clients that are thinking about tooling up for new plastic parts, or startups thinking about tooling up you should have me talk to them first.

Direct digital manufacturing parts on demand has many benefits:

- No tooling
- No storage
- Easy design change
- Mass customization
- Low risk

Real end use, high quality, nylon parts without tooling..... See article below

Click Here to Read the Full Article

Aidro Hydraulics manufacturing service boosted by integration of metal 3D printing

Aidro Hydraulics, an Italian hydraulic systems developer, has incorporated Direct Metal Laser Sintering (DMLS) technology into its manufacturing processes.

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End Use Custom Auto Parts on Demand... It's Not About Prototyping Anymore

Mini has announced that they are using the revolutionary HP Jet Fusion 3D printer to print bespoke personalised parts for the customers from 2018 onwards.

Mini recently announced their plans to add custom options for patrons to personalise the exterior and interior trim of their Mini, including the dashboard facia, indicator inlays, dashboard trims, as well as sill plates and LED paddle lights. The breakthrough came due to HP's new revolutionary 3D printer that reduces the cost per part and increases the ability to cost effectively 3D print bespoke parts.

Click to Link to Full Article

Photos: 10 major automakers using 3D printing today

Check out these images from the latest in AM in the auto industry.

Click Here to View the Images

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Chris Wentworth | Additive Manufacturing Tech Lead
CMTC
690 Knox Street, Suite 200 | Torrance, CA 90502
Tel: (310) 595-9551 | ePax: (310) 808-1381
Web: www.cmtc.com