

Desktop Metal Announces Broad Availability of the Shop System™ Forust Edition, the World's First High-Speed 3D Printer for Upcycled Wood Parts

- Shop System Forust Edition is the first commercially available 3D printing system to process upcycled sawdust into functional, end-use wood parts using high-speed binder jetting technology
- Based on the Shop System platform, the world's best-selling metal binder jet 3D printer, the Forust Edition is modified to safely process unfinished sawdust byproduct from the wood milling industry
- In addition to the printer, this complete turnkey solution includes Fabricate MFG build prep software, which offers five printable wood grain patterns, a depowdering station, and other tools to get started
- Wood designs printed with the proprietary Forust process can be finished like standard unfinished wood products, and are suitable for an array of end-use applications, such as lighting, decor, or automotive interiors
- Commercial products created with the Forust process are available today, such as the Cocoon decorative light from London-based HagenHinderdael
- The Shop System Forust Edition is now available for purchase internationally and will be on display from Nov. 15-18 in Frankfurt, Germany, at Formnext 2022, the world's leading additive manufacturing event

BOSTON--(BUSINESS WIRE)-- Desktop Metal (NYSE: DM), a global leader in additive manufacturing technologies for mass production, today announced broad availability of the Shop System™ Forust Edition, a binder jet 3D printing system for the high-speed production of functional, end-use wood parts using upcycled sawdust from the wood milling industry.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20221031005135/en/>

The Forust wood printing process was first announced in May 2021 with an online storefront serving customers with custom parts and beta printer system deliveries. After serving customers and refining the process, Desktop Metal is now shipping easy-to-use, turnkey wood printing systems.

With the Shop System Forust Edition, architects, designers, and manufacturers can produce luxurious custom wood pieces that combine design and functionality for home decor and lighting, consumer products, architectural design, and automotive applications.

“Our new Shop System Forust Edition makes it easy to create custom and complex wood designs with a 3D printer on demand, circumventing supply chain challenges and delivering all-new design possibilities,” said Ric Fulop, Founder and CEO of Desktop Metal. “One of



The Forust process for 3D printing upcycled wood was first announced in May 2021 with an online storefront serving customers with custom parts and beta printer system deliveries. Now, Desktop Metal is shipping easy-to-use turnkey wood printing systems with the Shop System™ Forust Edition. (Photo: Business Wire)

and expand to other powdered waste materials over time.”

A Turnkey Wood Printing Solution

Through advanced printheads and high-speed binder jetting technology, the Shop System™ Forust Edition delivers high-resolution 3D printing of wood parts with realistic grain patterns. Additive manufacturing also offers a viable use for wood waste and intricate, complex designs previously unobtainable with traditional subtractive wood processing methods.

The complete system incorporates key safety features to enable 3D printing combustible wood powder and includes:

- Fabricate MFG build prep software, which allows users to print parts with no grain pattern or four grain patterns that can replicate ash, mahogany, and more.
- Shop System Forust Edition binder jet 3D printer with a build box of 350 x 222 x 200 mm (13.8 x 8.7 x 7.9 in) and a print speed of up to 1,600 cc/hr. That is about 21 mm or $\frac{4}{5}$ of an inch in Z-height per hour.
- Forust Powder Station, which allows users to remove printed parts from the build box and recover loose sawdust powder for immediate reuse in the printer.
- Forust Wood Powder, a special blend of raw or unfinished sawdust from the traditional wood milling industry.
- Forust Binder, which comes in clear and brown colors to bind wood powder particles and create natural-looking wood grain patterns that flow across the entire part.
- A wood parts post-process guide that walks users through a recommended workflow for infiltrating parts after 3D printing with USDA certified bio-based resins.

After infiltration, Forust parts can be sanded, stained, polished, dyed, coated, and refinished in the same manner as traditionally manufactured wood products. Infiltrated Forust parts have strength similar to traditional wood and can be screwed or nailed.

the great things about binder jet 3D printing technology is it can transform virtually any powder material into functional, end-use parts. Beginning with an ample supply of sawdust byproduct from the traditional wood milling industry, we are using our technology to build cradle-to-cradle manufacturing for wood. We believe this concept has the ability to deliver a meaningful sustainability impact

Currently, the Shop System Forust Edition printer processes Desktop Metal-provided wood powders from verified and consistent supply sources. Guidelines are in development to allow customers to print their own recycled sawdust powders in the future.

Binder jetting is a 3D printing process that transforms powdered materials — metal, sand, ceramic or other powders — into highly dense and functional precision parts at high speeds. An industrial printhead selectively deposits a binder into a bed of powder particles creating a solid part one thin layer at a time, just like printing on sheets of paper. The technology is viewed as a desirable and sustainable production method, largely because of its high speed, low waste and cost, as well as material flexibility, as demonstrated by the Shop System Forust Edition.

For more information about the Shop System Forust Edition, visit https://teamdm.com/Forust_upcycles.

About Desktop Metal

Desktop Metal, Inc., based in Burlington, Massachusetts, is accelerating the transformation of manufacturing with an expansive portfolio of 3D printing solutions, from rapid prototyping to mass production. Founded in 2015 by leaders in advanced manufacturing, metallurgy, and robotics, the company is addressing the unmet challenges of speed, cost, and quality to make additive manufacturing an essential tool for engineers and manufacturers around the world. Desktop Metal was selected as one of the world's 30 most promising Technology Pioneers by the World Economic Forum, named to MIT Technology Review's list of 50 Smartest Companies, and the 2021 winner of Fast Company's Innovation by Design Award in materials and Fast Company's Next Big Things in Tech Award for sustainability.

Forward-looking Statements

This press release contains certain forward-looking statements within the meaning of the federal securities laws. Forward-looking statements generally are identified by the words "believe," "project," "expect," "anticipate," "estimate," "intend," "strategy," "future," "opportunity," "plan," "may," "should," "will," "would," "will be," "will continue," "will likely result," and similar expressions. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Many factors could cause actual future events to differ materially from the forward-looking statements in this document, including but not limited to, the risks and uncertainties set forth in Desktop Metal, Inc.'s filings with the U.S. Securities and Exchange Commission. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and Desktop Metal, Inc. assumes no obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise.

View source version on businesswire.com:

<https://www.businesswire.com/news/home/20221031005135/en/>

Media:

Sarah Webster
sarahwebster@desktopmetal.com
(724) 516-2336

Investor Relations:

Jay Gentzkow
jaygentzkow@desktopmetal.com
(781) 730-2110

Source: Desktop Metal, Inc.