DYEMANSION LAUNCHING VAPORFUSE SURFACING INNOVATIONS WHILE FURTHER EXPANDING BUSINESS IN NORTH AMERICA & ALLIANCE WITH STRATASYS

Further developed through process innovations: DyeMansion's VaporFuse Surfacing system, the Powerfuse S.

DyeMansion expands ready-to-use parameters for different Levels of Smoothing with their Powerfuse S. The VaporFuse Surfacing process is now compliant with FDA's food contact regulations, which unlocks a new field of real-world food & beverage applications. As their strategic alliance with Stratasys continues to bear fruits, DyeMansion consolidates its role as technology and transformation leader in the field of post-processing solutions for industrial polymer 3D-printing.

September 13, 2021 (MUNICH, GERMANY) – DyeMansion, the global leader in post-processing solutions for industrial polymer 3D-printing, announces two new process innovations and an additional exciting outlook for the Powerfuse S. Participants attending RAPID + TCT 2021 in Chicago can see various real applications and demo parts at DyeMansion's booth #E8207 bringing these VaporFuse Surfacing innovations to life.

The demand for DyeMansion's industrial post-processing solutions has grown rapidly. With over 600 systems installed globally, and a third of that in North America, DyeMansion is the clear market leader in its category. Due to the increasing demand for their solutions, DyeMansion has extended their technology hub and operation center at their Austin site, now also including a production facility for all consumables and a warehouse for spare parts.

"We are currently seeing strong market growth in North America and are very pleased that we can now serve our American customers even better with our fully operational US office. With eleven people in our US team, our increasing number of sales & production partners and our new partnership with Stratasys we are well on our way to creating a colorful future. We are also very pleased to have Stratasys Direct Manufacturing as a workflow customer now and look forward to handling demanding high-volume projects together", says Felix Ewald, Co-Founder & CEO of DyeMansion.

STRATASYS & DYEMANSION: THE STRATEGIC ALLIANCE CONTINUES TO BEAR FRUIT

DyeMansion expands their global partner platform with two new authorized sales partners, AdvancedTek and CATi (headquartered in Minnesota & Illinois), who

now offer DyeMansion products alongside Stratasys technology. Also, DyeMansion's service provider business is increasing in North America. Stratasys Direct Manufacturing is currently expanding its post-processing capabilities at its Powder Bed Fusion production site in Belton, Texas, adding several new DyeMansion equipment capabilities including the Powershot S and DM60. They expect to launch these new finishes in Q4 of this year.

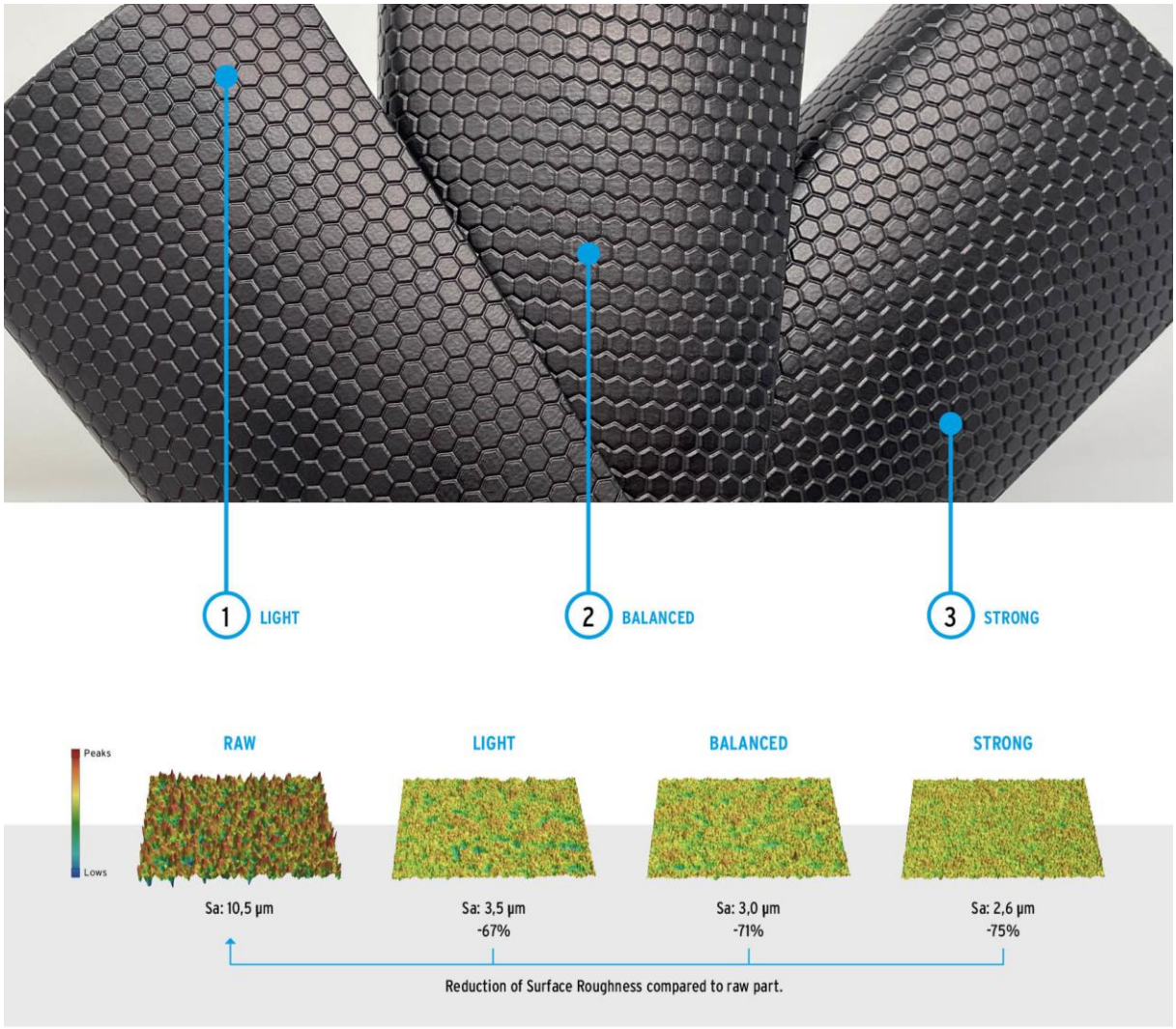
"We produce thousands of powder bed fusion parts per month, and our current DyeMansion equipment has become invaluable to processing components efficiently," said Greg Reynolds, Vice President of Operations for Stratasys Direct. "Adding more DyeMansion capabilities to further enhance our capabilities was an easy decision. We look forward to introducing these improved finishes to our customers."

FOOD CONTACT COMPLIANT: VAPORFUSE SURFACING ENABLES FOOD & BEVERAGE APPLICATIONS WITH 3D-PRINTING

DyeMansion's VaporFuse Surfacing process for sealed surfaces is now compliant with FDA's food contact regulations. The VaporFuse VF47 Eco Fluid solvent can be used for contact with all food types for which the base polymer is both technically suited and authorized. An example of a real food application can be experienced at DyeMansion's booth at RAPID. The PA2201 part powered by Kuhn-Stoff GmbH & Co KG with five funnels mounted next to each other is used in the production of cookies.

LEVELS OF SMOOTHING: INDIDUALIZED VAPORFUSE SURFACING AS NEVER BEFORE

Three ready-to-use parameter sets for different Levels of Smoothing strengths are available for Powerfuse S customers. The so called "Levels of Smoothing" are Light, Balanced and Strong. All process parameters can also be adapted individually for each requirement of different applications, which makes the Powerfuse S the most customizable and reliable vapor polishing system on the market. As of today, the Levels of Smoothing are available for various materials such as EOS PA 2200, EOS TPU 1301, HP 3D HR PA 11/12 and HP BASF Ultrasint TPU 01. More materials will follow.



Surface roughness measurement with a 3D profilometer of the shown sample part (EOS PA 2200). Graphic shows the reduction of surface roughness with Levels of Smoothing compared to the raw part.

EXCITING PROCESS OUTLOOK: VAPORFUSE SURFACING OF POLYPROPYLENE PARTS

Besides these two ready-to-use innovations, DyeMansion also gives another exciting outlook for everyone who wants to vapor polish Polypropylene (PP) parts with the development of an eco-friendly solvent that is biobased and biodegradable. Once again DyeMansion found a solution that fulfills high performance and sustainability standards at the same time.

This solution is currently being validated with different Polypropylene materials and successfully tested for Ricoh PP, HP Ultrasint PP, ALM PP400, VoxeljetPP, AM Polymers PP03, Ultimaker PP (FDM printed), EOS PP1101 and DSM ARNILENE AM6002.

The first results smoothed on a beta version of a Powerfuse S dedicated to smooth Polypropylene can be seen at RAPID exhibition. Be one of the first to get Polypropylene parts treated with VaporFuse Surfacing: If you are interested and have a Polypropylene application, you can contact DyeMansion directly. Application for the Pilot phase starts middle of 2022.

ABOUT DYEMANSION

DyeMansion is the global leader in post-processing solutions for industrial polymer 3D-printing that turn 3D-printed raw parts into high-value products. From perfect fit eyewear to personalized car interiors, their technology makes 3D-printed products become a part of our everyday life. Starting in 2015 with the first industrial coloring solution for powder bed fusion parts, the Munich-based company extended its portfolio with advanced part cleaning and surfacing

solutions for a wider range of 3D-printing technologies in the field of plastics. Today, DyeMansion's Print-to-Product workflow combines industry-leading hardware with the widest range of color options on the market. Their systems are applicable for Industry 4.0 and can be integrated seamlessly into various production processes. The ability to provide a flexible solution for both small batches and high volumes makes DyeMansion a trusted partner for future factories. Through close collaboration with customers across all industries, the 3D-finishing technology and expertise continuously grow with the market. Reduced cost per part, unmatched quality, and high sustainability are core values that drive each innovation of the fast-growing company. In addition to these principles, finding the right finish for every application is what drives them.

Learn more about DyeMansion and visit www.dyemansion.com, LinkedIn, Instagram, Twitter or YouTube.

PRESS CONTACT DYEMANSION

Robert Simbeck
robert.simbeck@dyemansion.com

+49 170 5547309