

MEDIA RELEASE



3D Matters strengthens printing capabilities with latest voxelization technology for higher speed and lower costs

- Acquisition of the latest HP Jet Fusion 3D Printing solution adds on to the organization's range of large format printers for commercial and industrial use
- Prototyping and manufacturing is now made even more quick and affordable without compromising on quality and structure of 3D prints

Singapore, 25 October 2017 - Leading Singapore-based, end-to-end additive manufacturer 3D Matters Pte Ltd ("3DM") today announced that it has added another high-performance 3D printing solution to its array of commercial 3D printers. The new HP Jet Fusion 3D 4200 Printer prints in fine detail and high dimensional accuracy through its unique Multi-Agent voxelization printing process, to ensure that parts are ideal for complex assemblies, housings, enclosures and even connectors, at a breakthrough speed that is ten times faster than normal printers. Using a robust thermoplastic material with other range of high performance material currently being developed, the printed parts are also assured of stronger quality and excellent chemical resistance to oils, greases and alkalis but at the same time achieving lower costs of production.

The new printer is used in conjunction with a processing station that supports fast cooling, thereby maximizing time needed for multiple or successive print runs. Material in the form of powder can also be optimized and reused for cost-efficiency. This is particularly useful for the company while managing larger orders that need to be completed within shorter deadlines.



The new HP Jet Fusion 3D Printing solution within 3D Matters' Additive Manufacturing Centre located at Singapore Science Park II. The system comprises of a printing unit (left of picture) and a processing station (right) that support successive and multiple print runs to maximize productivity.

CEO of 3D Matters Mr Matthew Waterhouse said, "The new Jet Fusion 3D printing package by HP is a class-leading additive manufacturing solution that enables us to deliver unmatched printing speed and quality for clients at a reasonable cost. We made this investment as this technology allows us to continuously enhance part performance for our customers through modifying the properties of the material at a voxel by voxel level – reinforcing our passion in 3D printing design and optimization for greater productivity."

With industrial applications in 3D printing expected to move rapidly from prototyping to tooling and final part manufacturing over the next decade, the HP Jet Fusion technology will allow 3D Matters to offer compelling solutions to companies who are interested but yet to adopt cost-effective, large format printing in their manufacturing strategy. Additionally, the superior finishing and enhanced mechanical properties would also benefit companies looking to improve or revamp their current manufacturing processes to keep up with times.

3D Metalforge, sister company of 3D Matters, currently specializes in large format metal printing (of up to 1.5m span) with a selection of metal printers that can print in different levels of complexity and costs. The acquisition of the HP Jet Fusion printing technology thus complements the Group's overall printing capabilities to offer non-metal print material for cost-effective, large format printing for brand owners, OEMs and other manufacturers.

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About 3D Matters

Founded in Singapore in 2012, 3D Matters is a fast-growing 3D Printing service bureau providing end-to-end additive manufacturing solutions across Southeast Asia. Apart from helping clients with scale-accurate models and fast prototyping, we also enhance their design and manufacturing capabilities to shorten lead times for spares and obsolete parts, as well as speeding up time to market for new products. Key industries we support include maritime/offshore, architecture, building and construction, infocomm and digital, precision engineering and manufacturing as well as advertising and design. Recently in July 2017, 3D Matters was awarded the ISO9001:2015 certification for achieving consistent and high quality standards in 3D printing for its world-class customers. Please visit www.3dmatters.com.sg for more information.

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