Aurora Labs®

Empowering Industry to Revolutionise Manufacturing

18 February 2020

ASX Announcement

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Major Step Towards MCP™ Process Validation

Highlights:

- **Aurora has independently tested samples of Stainless Steel 316L produced using the company's patented Multi-Layer Concurrent Printing ("MCP™") technology.**
- **The results show samples tested exceed ASTM Standards in Tensile Strength and Yield Strength**
- **The tests are an important step in demonstrating that Aurora's MCP™ technology is a viable method of metal 3D printing**
- **Unlike traditional laser bed fusion printers, MCP technology prints multiple layers in a single pass thus increasing production speed**

Aurora Labs Limited ("Aurora" or "the Company") (ASX:A3D), is pleased to announce that a series of independent tests have been conducted on coupons printed in Stainless Steel 316L, using Aurora's patented **MCP™** technology. The tests were performed at a Perth based NATA* accredited test laboratory.

This level of external validation testing is part of Aurora's ongoing development of the parameter properties dataset. The parameter properties dataset is the collection of test values such as mechanical, microscopic, x-ray and others depending on the specific requirement for the specification, of specific set samples using a combination of machine settings and inputs, such as powder, to give a predictable and repeatable result. These empirical results are part of the data that will allow MCP™ printed parts to be used instead of traditional cast and wrought metals.

The results of the tests show that the samples exceeded ASTM Standard A479/276 and f1384-16 in Ultimate Tensile Strength and Yield Strength and clearly demonstrates that the process meets or exceeds the relevant engineering standards that can be used for designing parts.

When fully developed, this dataset will allow engineers and designers to use values based on the ASTM** specification in their designs and ultimately print in an Aurora RMP-1 printer, subject to normal printing considerations.

MCP™ technology is one of the most disruptive changes to the 3D printing market in recent times as it breaks the single layer barrier. Instead of printing on one plane or layer at a time, like most other 3D metal printers currently available, Aurora's MCP™ can print on multiple layers concurrently. This increases production speed and allows high accuracy at high speed which is unachievable in commonplace single layer printers. Our process results in dense, fully melted metal parts straight from the printer.

Aurora will continue conducting extensive mechanical, microscopic, x-ray and other testing until the dataset is fully developed for all materials printed however, these results are a strong indication of the capabilities of MCP™ and its potential to improve metal manufacturing across numerous markets.

* https://www.nata.com.au/about-nata
The National Association of Testing Authorities, Australia (NATA) is Australia's national accreditation body for the accreditation of laboratories, inspection bodies, calibration services, producers of certified reference materials and proficiency testing scheme providers throughout Australia.
**https://www.astm.org/ABOUT/full_overview.html

Commenting of these results, David Budge, Managing Director, said:

"This is an important milestone in validating Aurora's RMP technology. These encouraging preliminary test results, combined with our recently signed DNV-GL agreement and delivery of print samples to prospective clients demonstrate Aurora's progress towards commercial release of the RMP1 printer."

For further information please contact:–enquiries@auroralabs3D.com

Ends.

Approved for release by the Company's Board of Directors.

For further information, please contact: Mathew Whyte, Company Secretary on +61 (0)8 943 1934 or by email enquiries@auroralabs3D.com

ABOUT AURORA LABS

Aurora Labs Limited ("the Company") (ASX:A3D), an industrial technology and innovation company that specialises in the development of 3D metal printers, powders, digital parts and their associated intellectual property.

Aurora Labs is listed on the Australian Securities Exchange (ASX:A3D).

To learn more about Aurora Labs please visit: www.auroralabs3d.com

FORWARD LOOKING STATEMENTS

This announcement contains forward-looking statements which incorporate an element of uncertainty or risk, such as 'intends', 'may', 'could', 'believes', 'estimates', 'targets' or 'expects'. These statements are based on an evaluation of current economic and operating conditions, as well as assumptions regarding future events. These events are, as at the date of this announcement, expected to take place, but there cannot be any guarantee that such events will occur as anticipated or at all given that many of the events are outside Aurora's control.

Accordingly, Aurora and the directors cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur.

For further information, please contact: enquiries@auroralabs3d.com