

Aurora advances the development of its Large Format Technology

Aurora Labs Limited (“Aurora” or “the Company”) (ASX:A3D), is pleased to announce advancements with the development of its Large Format Technology, with its prototype now able to print simple parts slowly. “Slowly” in this context means a printing rate comparable to existing technology in the market, but much slower than the theoretical printing speed of the Large Format Technology being targeted by the Company.

The ability to print simple parts slowly is a critical milestone for Aurora as it indicates that the key components of the Large Format Technology have been proven at a fundamental level, and should ultimately pave the way for the development of the Medium and Large Format Printer (MFP / LFP).

The Company has printed a significant number of parts and shapes with the Large Format Technology prototype and is pleased to report that positive progress has been made with both speed of prints and density of parts.

The following hyperlink is to a video on the Company’s website – <https://auroralabs3d.com/sps1>

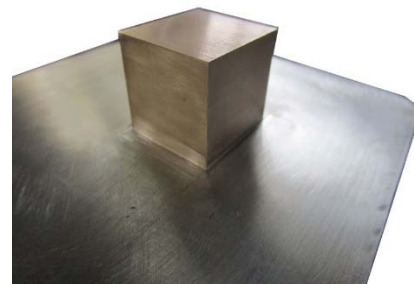
This video showcases a single layer of a plate being melted as the first step in a 20x20 mm cube. The video is filmed in real time. Importantly, the video demonstrates the operation of the Large Format Technology *prior* to a layer of consumable printing powder being added to the plate as part of the printing process. It is not necessarily representative of the actual print speed, but is indicative of the technology’s potential.

The next hyperlink is to a video which shows a single layer of a 20x 20mm cube being printed (i.e. consumable printing powder being added) at speed – <https://auroralabs3d.com/sps2>

The print was filmed in real time and demonstrates the technology printing at the slowest speed possible – a necessary first step.

Importantly, whilst the videos demonstrate promising advances in the Large Format Technology, further development and testing of the technology is required to ensure print quality is maintained as the print speed is increased.

Progression of simple parts printed slowly on the MFP / LFP Proof of Concept Printer



Initial testing of the technology indicate that the targeted print speed of 1 tonne per day is certainly possible with this technology, with an early speed of at least 3kg/ hr being achieved at a 'slow' printing speed.

David Budge, Managing Director, commented: *“Reaching the ability to print simple parts slowly is the latest of our outlined steps towards the development of our Large Format Technology. When we talk about printing simple parts slowly, this is equivalent to the same speed of other metal 3D-printers currently in the market, while printing complex parts rapidly is targeting speeds that are approximately 100 times faster than existing 3D-printers. We look forward to announcing the achievement of additional goals along the way as we advance the development, and ultimate commercialisation, of the technology.”*

Aurora believes there is a significant commercial opportunity with its Large Format Technology. Aurora’s Large Format Printer is targeted to produce complex metal 3D printed parts in an extremely rapid time, and currently, no global competitor has a printer which combines the LFP’s targeted print size with its targeted speed and precision. As previously detailed, the Large Format Technology is completely different to the Small Format Printer Technology.

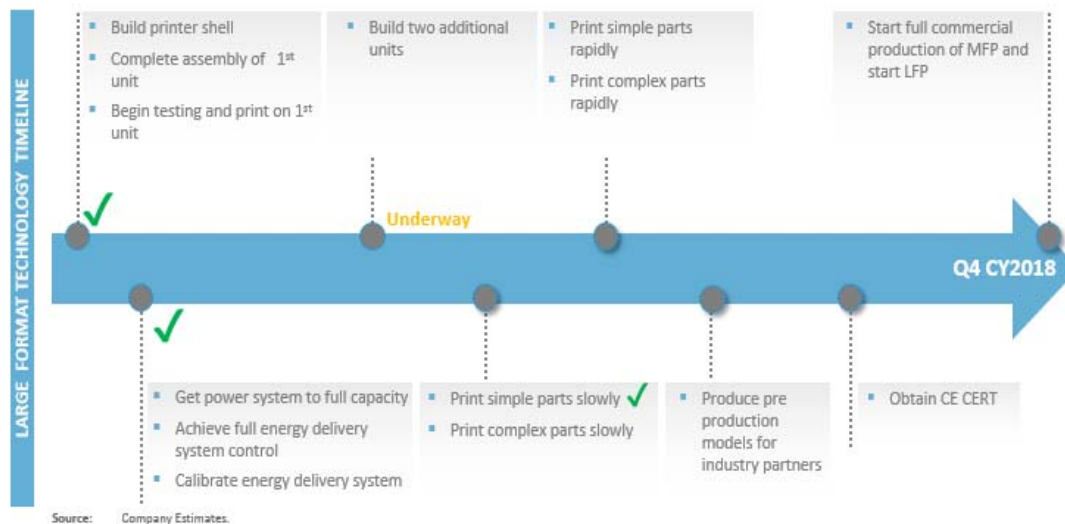
Large Format Technology Timeline

The steps below are the milestones the Company is looking to achieve which will demonstrate progress in the development of the Medium and Large Format Printer.

The timeline below is indicative only but is envisaged to be completed over the next 10-11 months.

The two additional units referred to in the timeline are as follows;

- Unit 1 is a second proof of concept machine to speed up the testing process; and
- Unit 2 is the first of the pre-production models of the Medium Format Printer that Aurora will be taking to trade shows.



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.

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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:

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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

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