



ASX Announcement

CORPORATE DIRECTORY

Chairman
GRANT MOONEY

Non-Executive Director
MEL ASHTON

Non-Executive Director
TERRY STINSON

Non-Executive Director
ASHLEY ZIMPEL

CEO
PETER SNOWSILL

CONTACT DETAILS

41-43 Wittenberg Drive
Canning Vale, WA
AUSTRALIA 6155

enquiries@auroralabs3d.com
t. +61 (0)8 9434 1934
auroralabs3d.com

ASX CODE: A3D
CAN: 601 164 505

AL250 Commercial Printer Project

Highlights:

- A3D to release AL250, the world's first 1500W commercial Laser Powder Bed Fusion printer in 2023
- Initial marketing to local Industrial, Defence and Research customers

Aurora Labs Limited ("A3D" or "the Company") (ASX:A3D), is pleased to announce further details regarding the recently announced AL250 commercial printer design project ⁱ.

The AL250, A3D's first high productivity commercial printer is the culmination of technology development in recent years as covered by global process patent coverage, incorporated in the physical design and process control software of the Company's two functional prototypes, Alpha 2 and Beta, and demonstrated through the material parameters developed and parts printed at high laser power. The robustness and reliability of the system components in A3D's Beta prototype and the suitability of print quality to meet draft SAE international aerospace standards were demonstrated in the Print Demonstration Campaign ^{ii,iii}, completed in the later part of 2022.

CEO Peter Snowsill commented:

"We are really excited by the strength of our initial commercial printer offering, the AL250, and the incorporation of distinctive features to progress high productivity printing for industrial, defence and research customers. We have a high level of confidence in the AL250's robustness, based our considerable development work for high productivity printing."

Machine Features

The key features of the AL250 comprise:

- Market leading 1500W laser power; single or dual laser options
- Best-in-class optics for optimal use of 1500W lasers
- Customised gas recirculation and fume extraction for optimal use of 1500W lasers
- Customised powder handling for low flowability powders
- Flexible process control through a combination of A3D's MANTIS & Uniware software/firmware
- Simple, robust system design and integration for reliable industrial printing
- Material parameters optimised for low power and 1500W printing, to deliver printed material quality compliant with industrial and aerospace standards
- Medium size build area of 250mm x 250mm providing utility for high laser power research and material parameter development, and high productivity printing for industrial parts
- Competitive pricing for this market segment



Design & Manufacturing

The Design-for-Manufacture process for AL250, kicked off in January 23 is firstly focused on the specification of sub-systems, system interfaces and assembly requirements. This will feed into detailed Design-for-Manufacture to achieve local manufacturing at competitive pricing, required quality and reasonable supply timelines. For the first AL250 systems, the Company will procure system components from global suppliers and sub-systems through local manufacturing sub-contracts, for assembly and testing at A3D in Canning Vale, Western Australia.

Market Focus

Aurora's concerted AL250 marketing effort will focus on 3 market sectors; Industrial customers predominantly in the Energy and Resources sector, Defence sector, and Research sector. Our primary focus with industrial customers is built on the growing engagement within this sector of A3D's print services business and the signs that adoption of 3D printing of parts for these businesses will lead to demand for increased print capacity within their own businesses, maintenance service providers and within A3D's print services business. Aurora has received a formal Defence Business Readiness Assessment Report from the Office of Defence Industry Services, and is prioritising a range of initial activities to strengthen business systems, participate in local Defence Industry networks and align A3D's product offering with Defence priorities. The Company has also actively increased engagement with local universities, as demonstrated by a recent visit from Curtin University and delivery of printed parts for the Spiropak project¹. Aurora is actively expanding engagement across Australian universities to open up industry-based research opportunities to strengthen the domestic AM sector.

Aurora is ramping up marketing activities within each of these priority sectors and sees initial local market focus as a preferred entrée into the machine supply market, enabling strong local support and local product credibility to be established before launching global marketing efforts.

The Company anticipates a formal launch of the AL250 to target Industry peers in coming months, whereupon further details of the AL250 will be provided to the market.

Timeline

A3D anticipates a 12-month timeline for the manufacture and testing of the first AL250 printer and expects delivery timelines for subsequent printers to be streamlined and shortened.

Ends.

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

For further information, please contact: Peter Snowsill, Chief Executive Officer

+61 (0)8 9434 1934 or by email enquiries@auroralabs3d.com



ABOUT AURORA LABS

Aurora Labs Limited (“the Company”), 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)

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

ⁱ Refer A3D ASX Announcement 15 February 2023 “Corporate Update”

ⁱⁱ Refer A3D ASX Announcement 7 September 2022 “Successful Completion of Print Demonstration Campaign”

ⁱⁱⁱ Refer A3D ASX Announcement 13 December 2022 “Corporate Update”