

Aurora | LABS

Investor Deck: August 2016

WHAT DO YOU WANT TO BUILD TODAY?

**AURORA LABS IS A 3D METAL PRINTER
MANUFACTURER THAT AIMS TO ENABLE MASS
ADOPTION OF 3D METAL PRINTING VIA NEW
TECHNOLOGIES THAT SIGNIFICANTLY REDUCE
PRICES AND INCREASE SPEED OF MACHINES**



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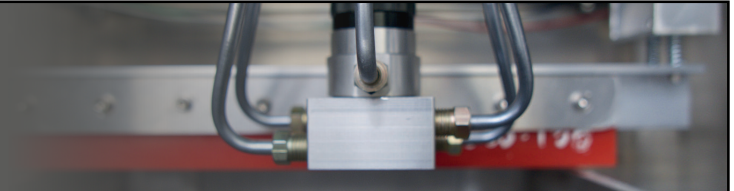
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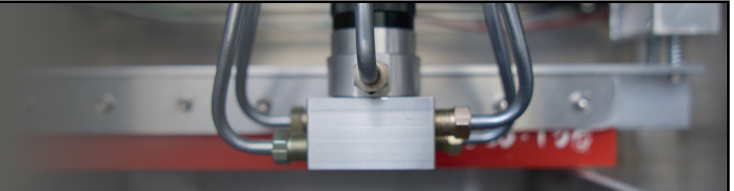


THE PROBLEM

Price is an important concern for many small businesses considering the transition to 3D metal printing. Most 3D metal printers start in the vicinity of US\$100,000+.

Slow speeds make 3D metal printing impractical to many businesses requiring a rapid turnaround of prints. It can often take several weeks or months to print a part.

Lack of flexibility in machine print modes result in sub-optimal outcomes. Competitor machines typically have one or two print modes.

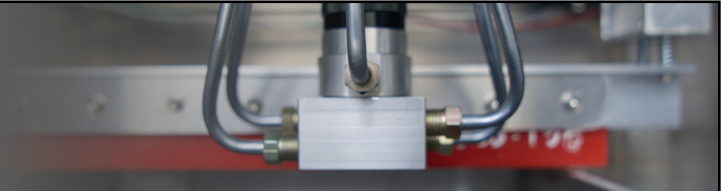


THE SOLUTION

Low Price – Aurora’s Small Format printers retail for between US \$39,999 and US\$42,999 (excluding GST and shipping), which is affordable to most small business and research institutes.

Fast speeds – the Titan Large Format Printer is being designed to print up to one tonne of metal parts in 24 hours which is approximately 100 times faster than existing 3D printers on the market.

Print flexibility – Aurora’s printers come with three print modes – SLS, SLM and DED.



◆◆◆ MARKET ANALYSIS AND OPPORTUNITY

Global metal manufacturing was estimated to be a US\$3.8 trillion industry in 2014¹.

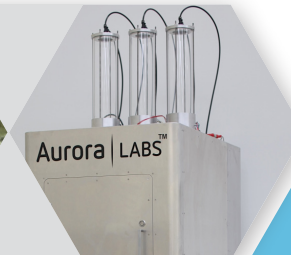
3D metal printing could potentially replace a large percentage of traditional metal manufacturing.

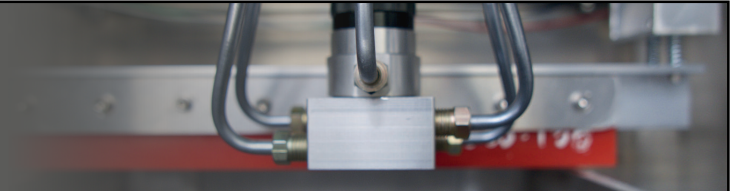
3D printing industry market size is currently US\$5 billion as at 2015 and forecast to increase to US\$20 billion by 2020².

Prices of machines need to fall and / or speeds need to improve for large scale disruption to happen.

Aurora believes its **unique marketing proposition** is the answer.

1. The Business Research Company – Metal Manufacturing Global Market 2016
2. Source: Canals Industry Report





UNIQUE SELLING PROPOSITION

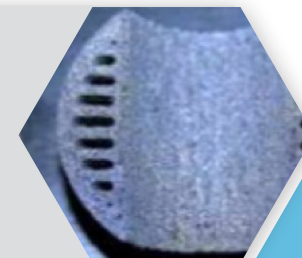
Aurora has developed **unique technologies** that give its printers competitive advantages in terms of cost and speed.

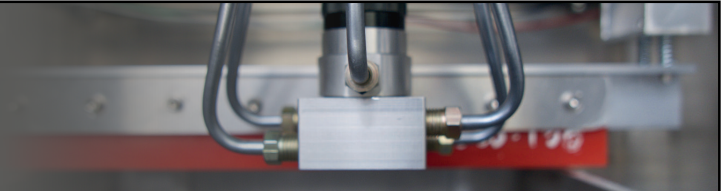
A creative and Innovative team that thinks “outside the box” when it comes to solving complex problems.

Industry connections with some of the world’s largest companies and research institutions.



From left to right – Matt Taylor (MLA), David Budge (Aurora Labs), Nathan Henry (Aurora Labs), and Jessica Snelling (Aurora Labs)

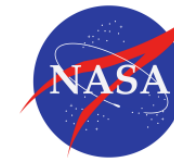




WHO USES 3D METAL PRINTING?

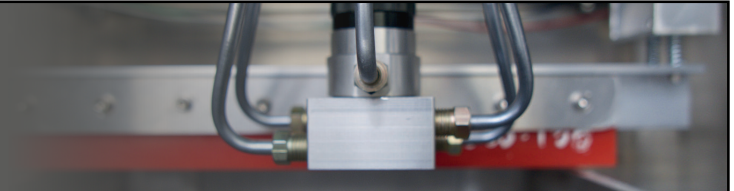
According to a PwC survey of US manufacturers, **two of three companies are already adopting 3D printing** in some way¹.

Based on internet searches and Aurora's direct contacts, some of the major organisations that use 3D metal printing include:



1. PwC – 3D printing and the new shape of industrial manufacturing

Note: Aurora Labs does not claim the above Companies endorsement

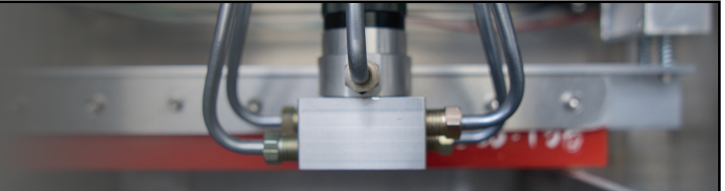


THE SMALL FORMAT PRINTER

- **Aurora** manufactures the S-Titanium and S-Titanium Pro.
- **The machines print in three modes** (SLS, SLM and DED) whereas most competitor machines only print in one to two modes.
- Three independently controllable powder hoppers allow **flexibility in alloying and pseudo-alloys**.
- The print bed is one of the **largest on the market**.
- Likely to be one of the **cheapest 3D metal printers** on the market at a price range of US\$39,999 to US\$42,999.
- **Current undergoing beta testing** with full commercial production` anticipated by end calendar year 2016.
- **Substantial interest** from global mining companies, universities, jewelry manufacturers, dentistry, prototyping and many other industries.



S-Titanium Pro beta machine



THE MEDIUM AND LARGE FORMAT PRINTERS

Aurora is working on the development of a working Medium Format printer by the end of calendar year 2016. A working prototype large format printer is anticipated 6-12 months later.

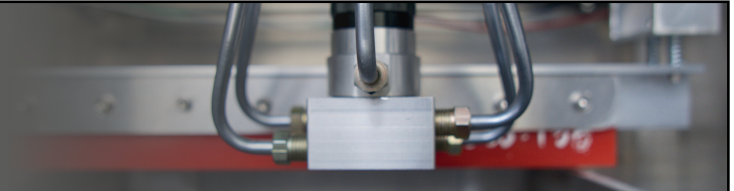
The Large Format Printer is being designed to print up to one tonne of metal parts in 24 hours, which is believed to be approximately 100 times faster than existing 3D printers on the market.

Aurora believes the Medium and Large Format printers can possibly replace a percentage of traditional metal manufacturing.

The printers will be able to produce unusual shapes that are difficult to produce using traditional methods.

Aurora believes that the Large Format Printer will be especially beneficial to the mining and oil and gas industries that use numerous metal parts but do not wish to maintain vast stores of spare parts.





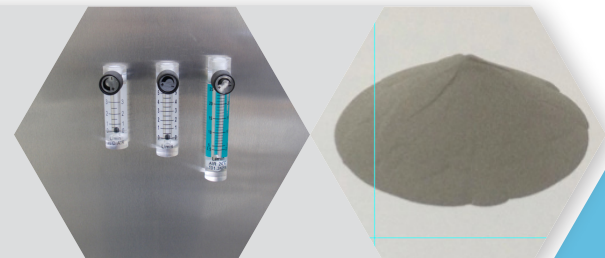
OTHER BUSINESS OPPORTUNITIES

Sale of metal powders

- Sales of powders to customers for use with its 3D printers.
- The Medium and Large Format printers are being designed to use powders to be supplied by Aurora, to ensure quality and OEM certified status.
- As the Medium and Large Format printers is designed to use a lot of metal powder, Aurora intends to investigate building its own powder production plant. Aurora supplies pure metal, alloy and cermet powders.
- The Company is investigating designing and building a small scale pilot powder plant.

Pay-per-print

- Aurora intends to develop software allowing customers to search an online store of part designs and specifications.
- The store would allow customers to buy a one-off or multi print license to manufacture parts or components from an OEM.
- The software is intended to allow print build monitoring and shape conformity to allow certification of parts as meeting design criteria.



BOARD OF DIRECTORS



Paul Kehoe – Non Executive Chairman

- Paul is a former Managing Director of Syrah Resources (ASX:SYR).
- Oversaw the early development of the world class Balama graphite and vanadium deposit in Mozambique.
- Background in corporate finance, restructuring and geology.



David Budge – Managing Director

- Extensive experience in robotics, robotic welding, surfacing engineering, product development and manufacturing processes.
- Primary inventor of the majority of Aurora's inventions and Aurora co-founder.
- Prior to Aurora, David ran Advanced Industrial Manufacturing, a company which provided robotic welding and specialised technology solutions to the mining and oil and gas sectors.



John (Nathan) Henry – Executive Director

- Nathan's past roles have covered the full spectrum of process and business model development, new business development, technology implementation and roll out of distributed networks, market research and business planning.
- He has previously developed and led sales teams for market leading companies both in Australia and in the USA.
- He is responsible for developing the strategy and processes required for branding and marketing of Aurora's products and services.



David Parker – Non Executive Director and Company Secretary

- David is an experienced corporate advisor and has served as a director or company secretary of a number of ASX listed companies.
- He is sole director of Cobblestones Corporate Pty Ltd which provides corporate advisory and company secretarial services to ASX listed companies.
- He is currently an employee of Alto Capital, a stockbroking and corporate advisory firm.



Hendrikus (Dick) Herman – Non Executive Director

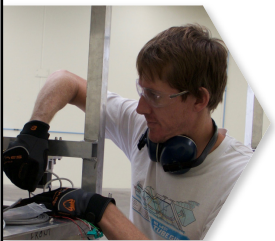
- Dick is a lawyer providing expert advice on commercial law matters.
- He has almost 20 years experience in legal and commercial roles and has handled matters for companies of all shapes and sizes, in Australia and overseas.
- He has also developed and maintained legal and risk compliance functions for companies.

SENIOR MANAGEMENT



Jessica Snelling – Printer Development Engineer

- Jessica is a co-founder of Aurora.
 - She has a background in computer and mathematical sciences.
 - Her primary responsibility at Aurora is developing solutions to problems with design and proving the systems prior to approving designs for production.
-



Robert Buys – Production Manager

- Robert was previously a production manager in a large, multinational, high-tech valve manufacturer.
 - He is responsible for production of Aurora's products and ensuring they meet key targets in the growth cycle of the business.
-



Rob Brown – Design and Modeling Developer

- Rob has been working in the field of machine design and realisation for close to 20 years.
- His skills in SolidWorks® modelling, AutoCad® drawing, microcontroller hardware, software design and qualification as a certified welding inspector make Rob a key contributor to the design team.

FUNDING

\$2.855 million raised in IPO (pre-costs).

Very high level of interest from investors.

No over subscriptions accepted as Board believes that minimum subscription is sufficient to fund current ongoing needs of the business.

Aurora's operations have low capital needs. Capital is mainly required to purchase of machine parts and working capital.



CAPITAL STRUCTURE

SECURITY TYPE	AMOUNT
Ordinary shares on issue	55,000,000
Class A Performance shares ¹	6,300,000
Class B Performance shares ²	7,087,500
Class C Performance shares ³	7,612,500
Total Performance shares on issue	21,000,000
Total options on issue⁴	11,250,000
Directors and management hold 28,814,837 of shares on issue (52.4% of the ordinary shares)	
Directors and management purchased 1,555,000 of shares at 20 cents in the IPO	
Total restricted securities (held in escrow) - 33,010,696 or 60% of the ordinary shares on issue (with 32,260,696 escrow for 24 months)	

TOP 10 SHAREHOLDERS

HOLDER NAME	%	No
MR DAVID J BUDGE	43.5%	1
MR PAUL KEHOE (ENTITIES)	3.8%	2
MR PETER ANTHONY	3.4%	3
MR WILLIAM M CRISP	2.7%	4
GASMERE PTY. LTD.	2.6%	5
MRS JESSICA C E SNELLING	2.5%	6
MR JOHN NATHAN HENRY (+RELATED ENTITIES)	1.8%	7
KACHA PTY LTD	1.7%	8
MR ANTHONY R BAILLIEU	1.1%	9
MR JAMES MELLON	1.1%	10

1. To convert to ordinary shares on cumulative revenue of A\$1.5 million before 30 June 2017.
2. To convert to ordinary shares on cumulative revenue of A\$5.5 million before 30 June 2018.
3. To convert to ordinary shares on cumulative revenue of A\$7.25 million before 30 June 2019.
4. Exercisable at 20 cents a share on or before 31 December 2018.

THE JOURNEY SO FAR

From left-to-right:
Rob Brown,
David Budge,
Jessica Snelling,
Rob Buys and
Nathan Henry



David Budge started working on 3D printing concepts over 20 years ago.

In August 2014, David founded Aurora Labs with Jessica Snelling and William Crisp.

David sought to use existing technologies in innovative ways to make an affordable 3D metal printer utilising the software programming skills of Jessica and Will. Thus the S-Titanium range of Small Format Printers were developed and improved over the 2014/2015 period.

Deciding to make a step change in manufacturing led to a completely different 3D printing process that is now represented in Aurora's Medium Format and Large Format Printers design and development.

In 2015, Aurora commenced pre-sales of the S-Titanium printers.

In mid 2016, Aurora began beta testing of the S-Titanium printers in anticipation of commercial production.

IN THE PRESS

When I first started in this field it was very novel, the 3D printing has undergone many changes since then and we are finally on the cusp of a major breakthrough in large-scale metal printers. Over the last year I've worked with a Perth-based start-up Aurora Labs, who is at the forefront of 3D printing globally. – Professor Tim Sercomb (University of Western Australia) reported in UWA news (Article: UWA working on transformational 3D printing).

Budge has already fielded offers from parties interested in buying the startup outright, but he says they're not ready for that. Particularly as 3D printing is on the cusp of becoming commonplace in manufacturing. (startupsmart.com.au)

As a 15-year-old, David Budge dreamed of working for NASA. So when the space agency contacted his tiny, nondescript warehouse office in Myaree and asked to buy one of his 3-D printers, he was able to tick one thing off his bucket list. Add Siemens, Alcoa and Airbus to the list and the self-described robotics fanatic reckons he is onto a good thing. – NASA calls on 3-D printer maker (The West Australian newspaper).



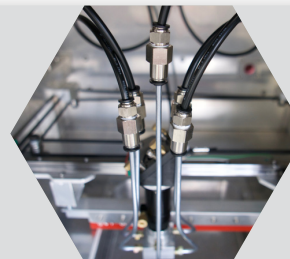
WHAT WE ARE AND WHAT WE ARE NOT

We are not the latest tech fad. **We are** manufacturers of industrial machines in an industry that has been in existence for decades.

We are not a concept play. **We are** a real business with real plans to become a major force in the industry.

We are not seeking an exit for our Directors to sell equity at high valuations in an IPO. **We are** believers in the business and many of our Directors and employees purchased Aurora stock at the IPO price.

We are not a Board full of promoters. **We are** a Board dominated by executives with a history of achievement.



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WHAT DO YOU WANT TO BUILD TODAY?

THANK YOU FOR YOUR INTEREST

CONTACT US:

DAVID BUDGE MANAGING DIRECTOR

david@auroralabs3d.com

NATHAN HENRY EXECUTIVE DIRECTOR

nathan@auroralabs3d.com

DAVID PARKER CORPORATE

david@altocapital.com.au

