



ASX Announcement

CORPORATE DIRECTORY

Chairman
PAUL KRISTENSEN

Founder, Managing Director
DAVID BUDGE

Business Development
and Marketing Director
NATHAN HENRY

Non-Executive Director
MEL ASHTON

Non-Executive Director
and Company Secretary
MATHEW WHYTE

Chairman's Address and AGM Presentation

Aurora Labs Limited ("Aurora" or "the Company") (ASX:A3D), is pleased provide the following items to be presented at the Company's Annual General Meeting to be held at 10.00 am (WST) today.

- Chairman's address; and
- Company 2019 AGM Presentation.

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

For further information, please contact: Mathew Whyte, Company Secretary on +61 (0)8 9434 1934 or by email enquiries@auroralabs3d.com

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ASX CODE: A3D
ACN: 601 164 505

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

**AGM 2019
CHAIRMAN'S ADDRESS**

Ladies and Gentlemen,

On behalf of the board, it is my pleasure to welcome you to the Annual General Meeting of Aurora Labs.

We have a substantial agenda to deal with today, but before launching into the formal business of this meeting, I wish to say a few words.

Like you, the directors are all shareholders of the Company, so we understand and share your pain and disappointment over the decline of the Company's share price which has occurred in defiance of the truly outstanding technical developments made during the reporting period.

For those of us who have invested in technology companies over several decades, it is a quite familiar pattern for such companies that they often achieve excessive valuations after the IPO, driven by their blue sky potential, but then suffer an equally excessive share price decline during the time it necessarily takes to build a market-ready product and generating meaningful revenues. Once such revenues flow, the share price usually finds a more realistic level, based on standard research by investment analysts. That point is now coming closer than ever for Aurora.

The tremendous technical progress made during the 2018-19 financial year has already been well publicised. The Company now has a thoroughly tested beta-version of the RMP-1 3D printer that is being used to manufacture samples for industry partners and potential customers while undergoing a program of continuing engineering refinements and performance testing.

Aurora's strong presence at the leading 3D printing conference and exhibition, Formnext, in Frankfurt last month has directly confirmed the huge interest that global industry leaders have in our company, technology and products. As a result, major global companies in several industries are now actively engaging with Aurora.

We are being asked to produce 3D printed parts – on commercial terms – for new customers who want samples in order to ensure that the machines they intend to buy can manufacture products to the standards they need for their business. Based on their stated criteria, we are very confident that we can meet or exceed their expectations.

Our challenge is now to realise our ambitious vision of becoming a global, commercial leader in 3D metal printing.

Commercially, AdditiveNow – our 50% owned joint venture company with Worley – is generating a large number of genuine, substantial leads and has achieved initial revenues. As soon as we are in a position to supply printers of the standards of quality and reliability we are targeting, we will then be able to sell both printers and services to the large base of waiting customers through AdditiveNow. As publicised, AdditiveNow has leased our RMP-1 beta machine to print initial parts for some of these customers.

Most recently Aurora has concluded a research agreement on commercial terms with the large, Swedish group Gränges AB which sees 3D printing as a very exciting initiative to ensure its own, enduring competitiveness. The agreement is an important step forwards in the relationship between the two companies, and both parties expect this to offer them a very substantial, commercial potential.

To respond to the opportunities ahead, we have added personnel during the year, so our team is now over 40 strong. Importantly, we have appointed an excellent COO, Peter Snowsill, with us here today. Peter is already making a great contribution to the company.

In addition, we have engaged commercial search consultants with a view to significantly boost the team and strengthening our sales and marketing. We also plan to appoint new directors who will enhance the calibre of the board.

We have recently established a US subsidiary in Dallas and contracted our first collaborator there. As an immediate benefit, we expect him to procure equipment and printer components at lower prices and faster delivery than available through our Australian suppliers. The US office will be further developed to offer support and service to our existing US customers as well as to future users of our printers.

The whole Aurora team has made an outstanding effort and I want to thank them all for that, not least my fellow directors who have contributed so much to the development of our detailed strategy and the company's capital raising activities.

We have listened to the concerns of our shareholders, and the board continues to value their input. We will take into account the issues raised with us. As direct proof of this, I refer you to our ASX announcement of 11 December where the directors individually decided to withdraw the resolutions relating to the issue of performance share or options to them, based on the feedback received from shareholders and brokers after the publication of the AGM Notice.

We look forward to updating shareholders on the Company's activities in 2020.

Paul Kristensen
Chairman – Aurora Labs Ltd



Aurora Labs[®]

NEW HORIZONS IN 3D METAL PRINTING

ASX : A3D

2019 AGM Presentation

DISCLAIMER

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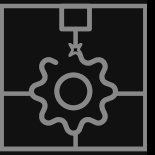
OUR VISION

VISION

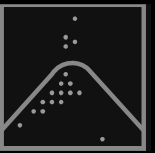
Give people the freedom to build anything.

MISSION

Empowering industry to revolutionise manufacturing.



PRINTERS



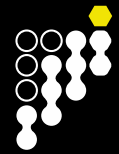
POWDERS



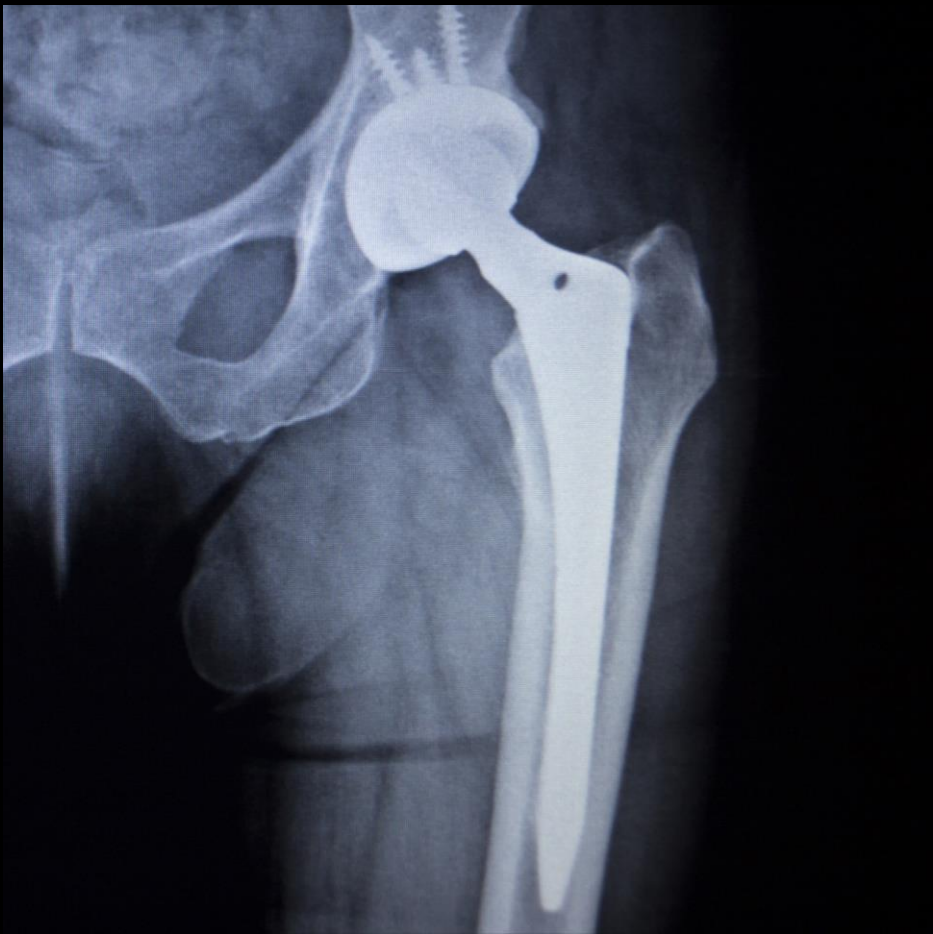
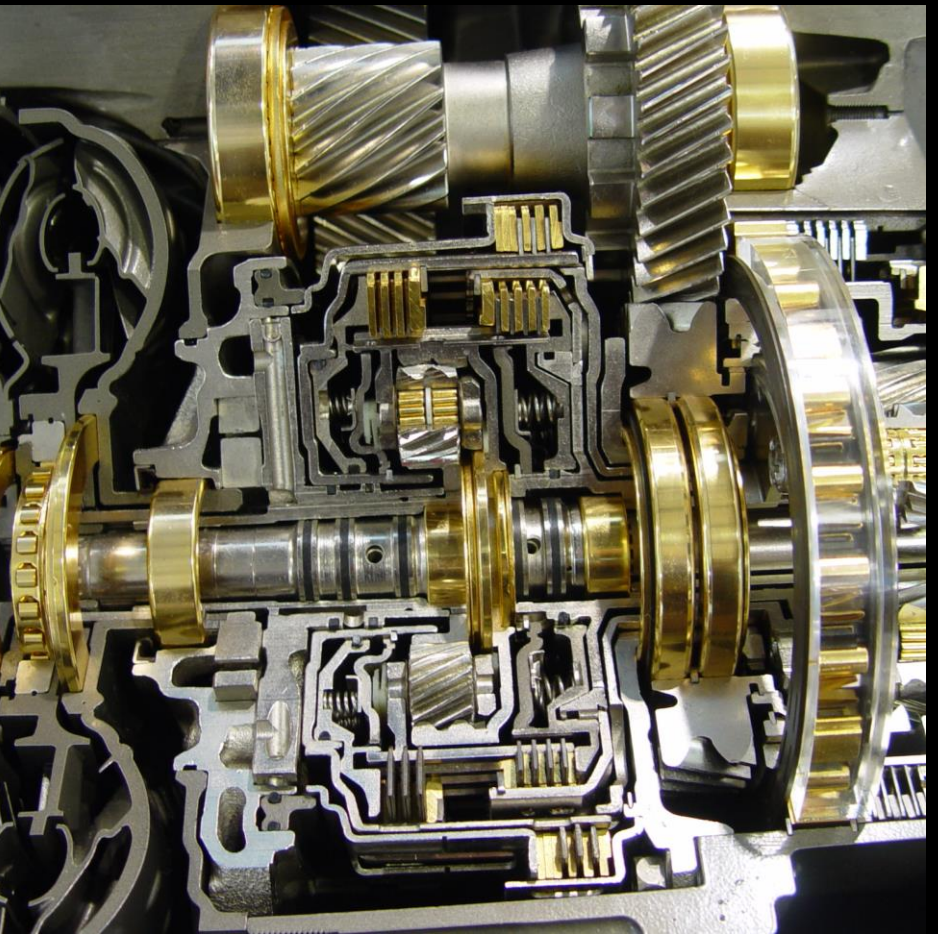
PARTS STORE



CERTIFICATION



ADDITIVENOW



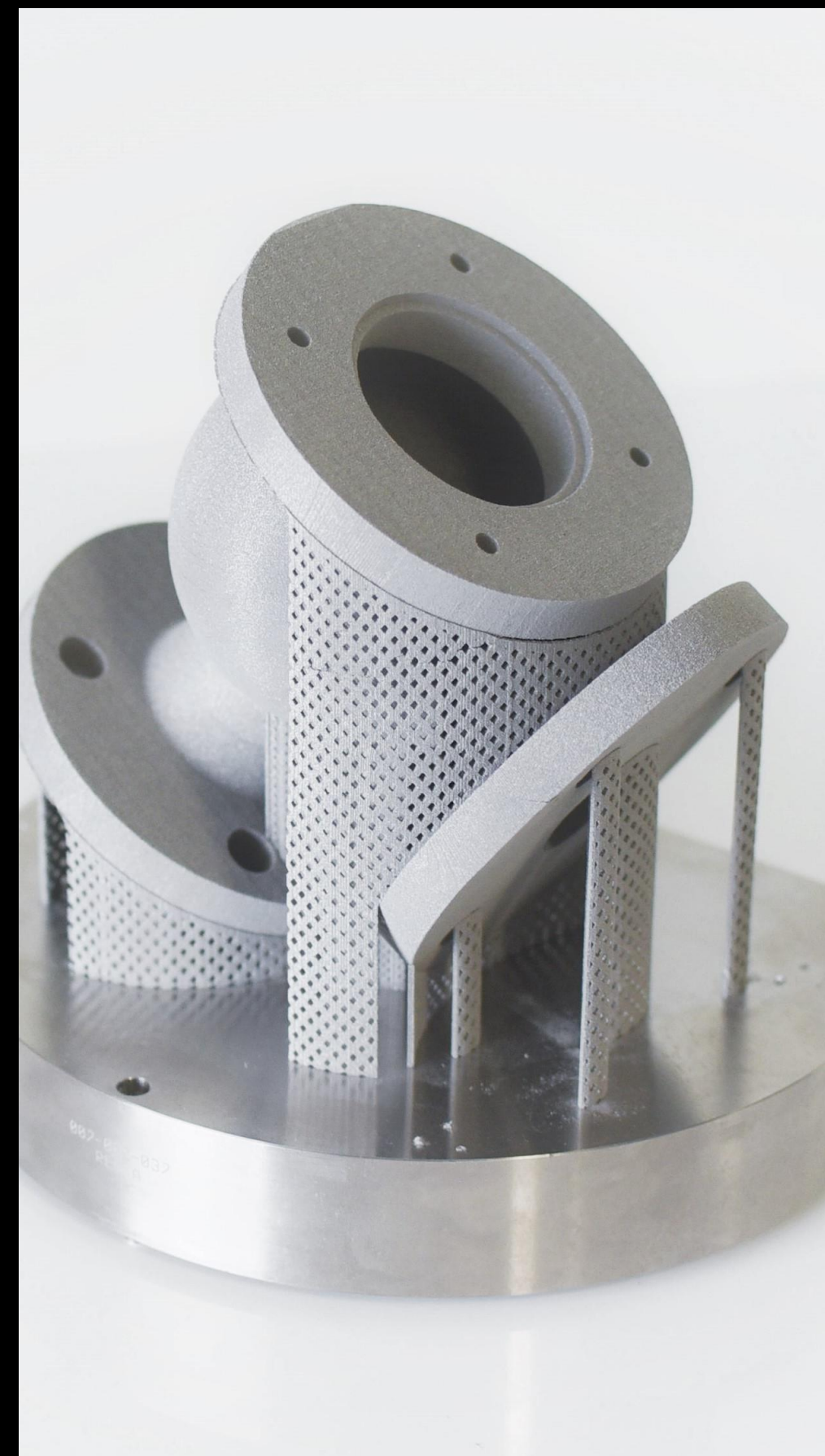
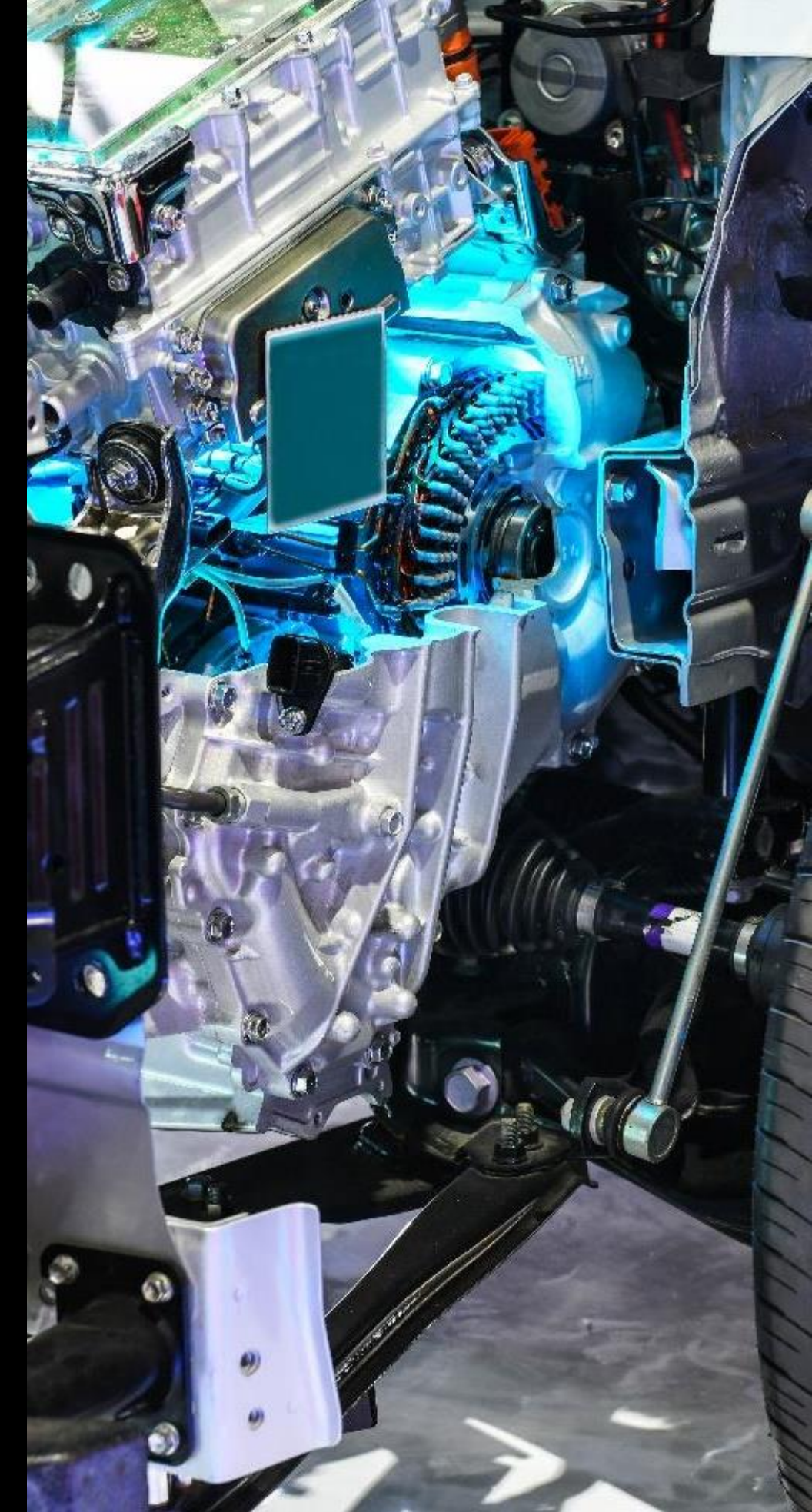
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THE OPPORTUNITY

The world's industrial base maintains parts inventories that tie up hundreds of billions of dollars of capital.

Rapid, on demand manufacturing of parts – displacing casting and metal fabrication processes – will release that capital and will disrupt the requirement for massive manufacturing infrastructure.



Aurora Labs®

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Gland Follower 3D printed by Aurora Labs. A common component in many pumping systems.

THE SOLUTION

Metal additive manufacturing (AM) has long been identified as a potential solution...

...but slow production rates and small output capability have limited its acceptance...

...until now.

A3D is designing and manufacturing rapid 3D metal printers to overcome these limitations. Current print speeds are clocked at 350kg per day.

THE TARGET MARKET



GLOBAL METAL MANUFACTURING

Our ultimate market is the global metal manufacturing market which is expected to reach 4 Trillion dollars by 2020¹



OIL & GAS

Major projects of \$147b by 2019²



AUTOMOTIVE MARKET

"The profit of the 17 most important (manufacturers) rose in 2017 to a total of around 106 billion euros (\$121 billion)"³



POWER GENERATION TURBINES

Sales of power generation gas turbines is projected to be \$112.11 billion from 2017-2026⁴



HEAVY EQUIPMENT

Agricultural machinery (sized at about \$126 billion in 2013⁶), construction equipment (valued at \$138.5 billion in 2012⁷) and mining equipment (valued at \$71 billion in 2012⁸)



AVIATION

Requiring some 37,400 new passenger and dedicated freighter aircraft at a value of US\$5.8 trillion over the next 20 years⁵

1. Research and Markets, Global Metal Manufacturing Market Briefing 2018 – ResearchAndMarkets.com, February 21, 2018, <https://www.businesswire.com/news/home/20180221005897/en/Global-Metal%20Manufacturing-Market-Briefing-2018>

2. Source: Goldman Sachs, Top Projects 2018, April 9 2018

3. <https://www.forbes.com/sites/neilwinton/2019/01/03/healthy-global-auto-sales-growth-looks-doomed-in-2019/>

4. <https://www.turbomachinerymag.com/electrical-generation-gas-turbines-will-see-sales-increase-but-overcapacity-looms/>

5. <https://www.airbus.com/aircraft/market/global-market-forecast.html>

6. Global Agricultural Machinery Industry, http://en.wikipedia.org/wiki/Agricultural_machinery_industry.

7. "Construction Equipment Market Analysis by Product And Segment Forecasts to 2020," Grand View Research, September 2015, <http://www.grandviewresearch.com/industry-analysis/construction-equipment-market-analysis>.

8. "Mining Equipment Market Will Reach USD 117.0 Billion by 2018: Transparency Market Research," PR Newswire, Oct. 22, 2014, <http://www.prnewswire.com/news-releases/mining-equipment-market-will-reach-usd-1170-billion-by-2018-transparency-market-research-280051182.html>.



2019 HIGHLIGHTS

PRINT SPEED INCREASES

Increases in the RMT maximum print rates to 113kg/day in February 2019, then to 350kg/day in September 2019

RMP-1 BETA LAUNCH

Achieved a significant commercialisation milestone – the building and ongoing test program of the pre-production RMP-1 Beta printer

AMUG AND RAPID+TCT SHOW

Excellent showing at the world's leading Additive Manufacturing conference and North America's leading AM tradeshow

GRÄNGES AB

Highly valued Industry Partner entered into MoU in June 2019 with execution of a binding Service Contract for a Non-Recurring Engineering Research Project (NRE-1) in November 2019

COO APPOINTED

Mr. Peter Snowsill appointed as Chief Operating Officer as the company moves closer to the commercialisation of RMP-1

AURORA LABS 3D US LLC

Opening a US office to provide product service, support, sales and general corporate services to the American market

SUPPLY OF FIRST RMP-1 BETA

Entered an agreement to supply an RMP-1 Beta metal printer to AdditiveNow Pty Ltd by way of a finance lease arrangement

FORMNEXT

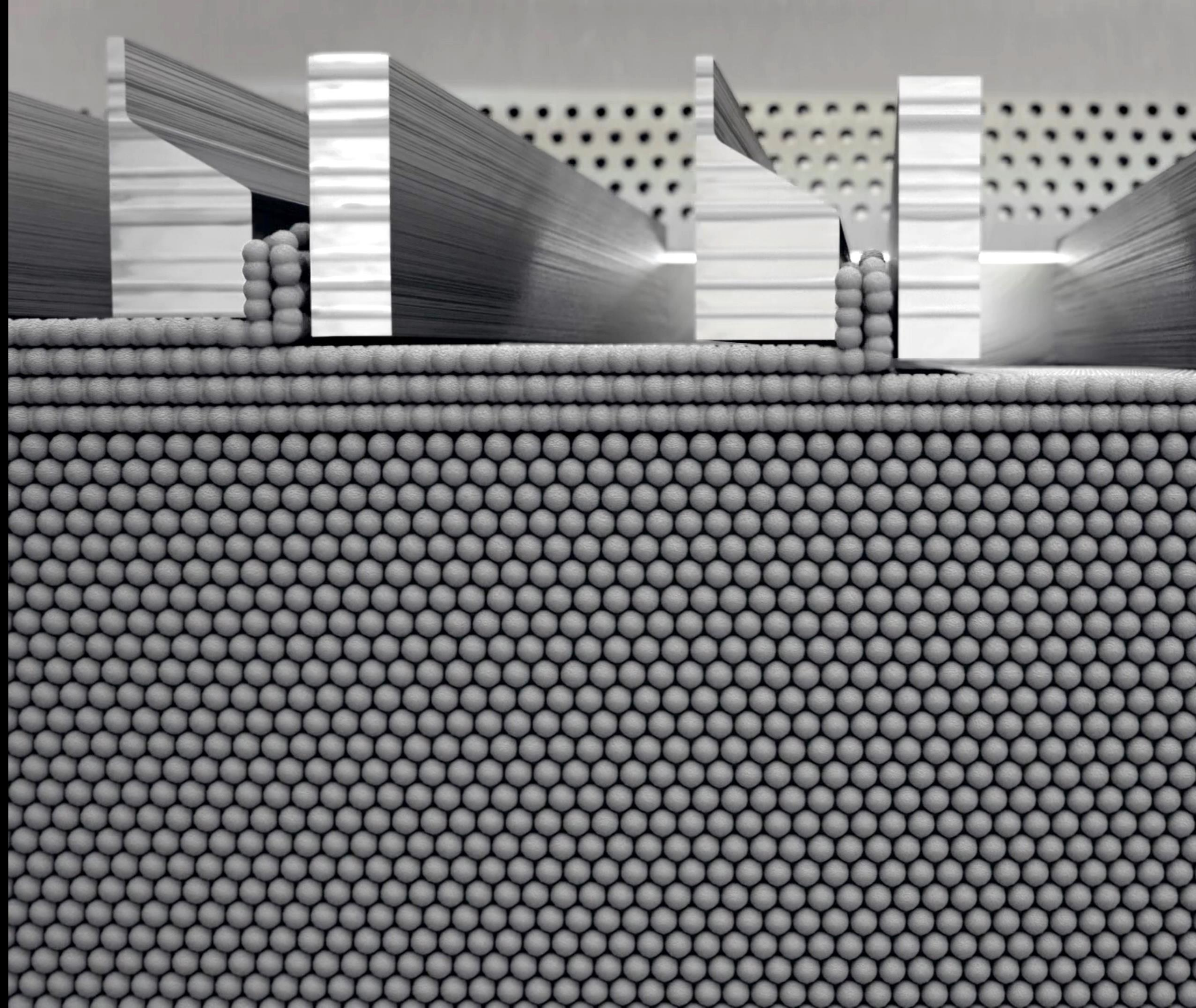
Good progress made in generating sales of RMP-1 metal 3D printer at Formnext – the world's leading additive manufacturing exhibition

UNRIVALLED PRINTERS

RMP printers use patented Multi-layer Concurrent Printing (MCP™) technology to build multiple metal layers in a single sweep.

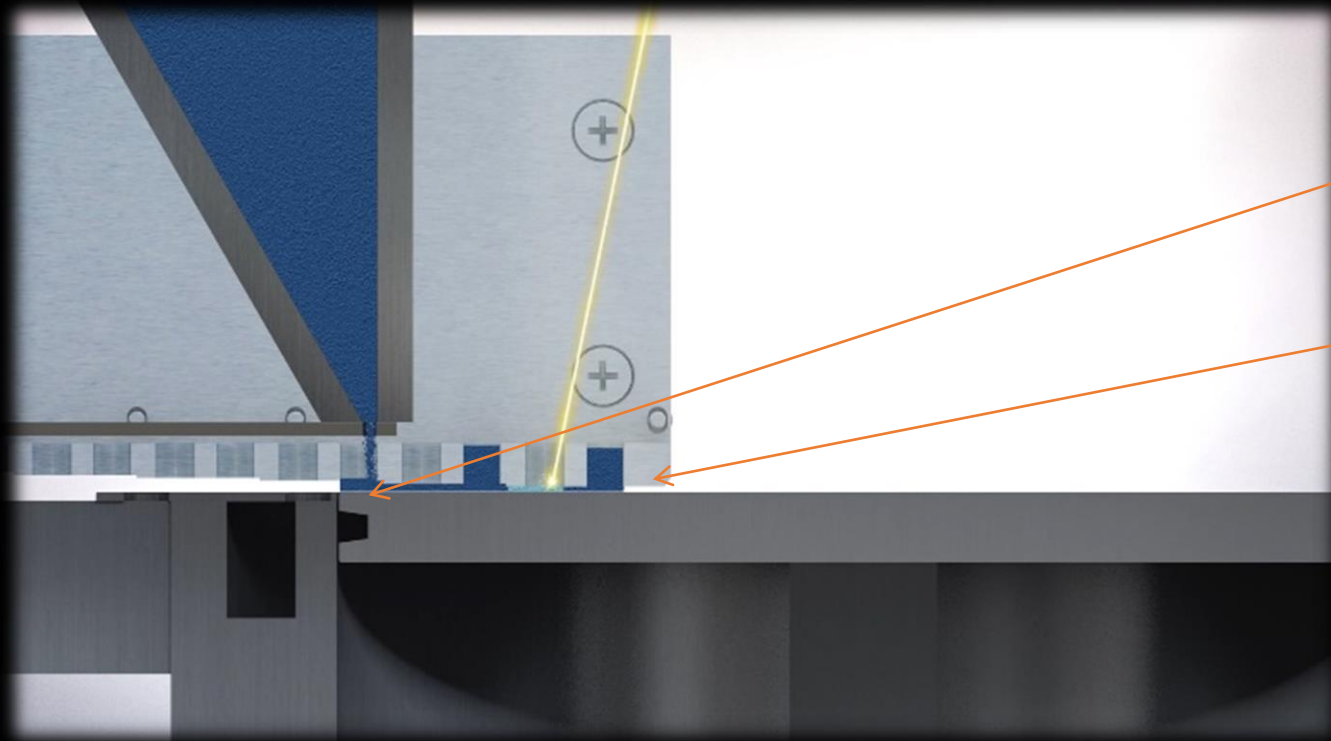
This increases production speed, and allows high accuracy at high speed which is unachievable in single layer printers.

Laser melting means no binders.
Our process is complete as printed.

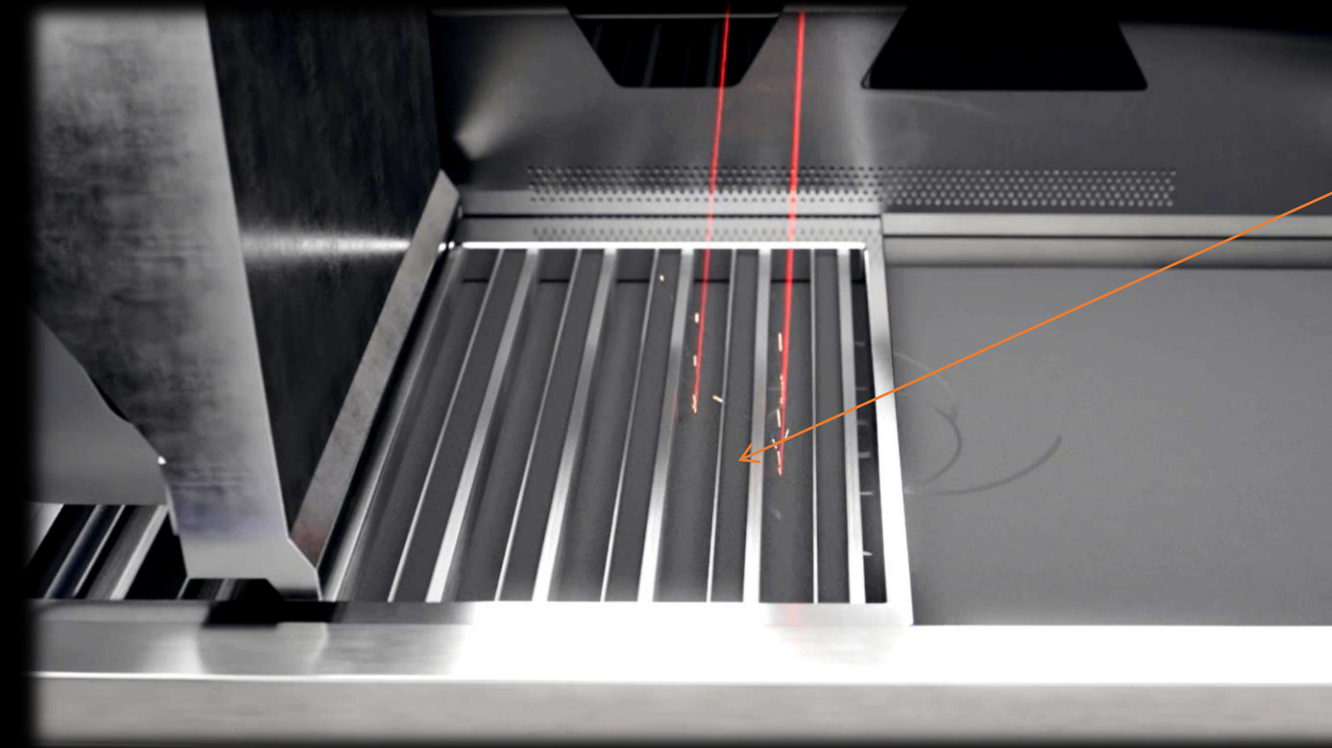


Aurora Labs®

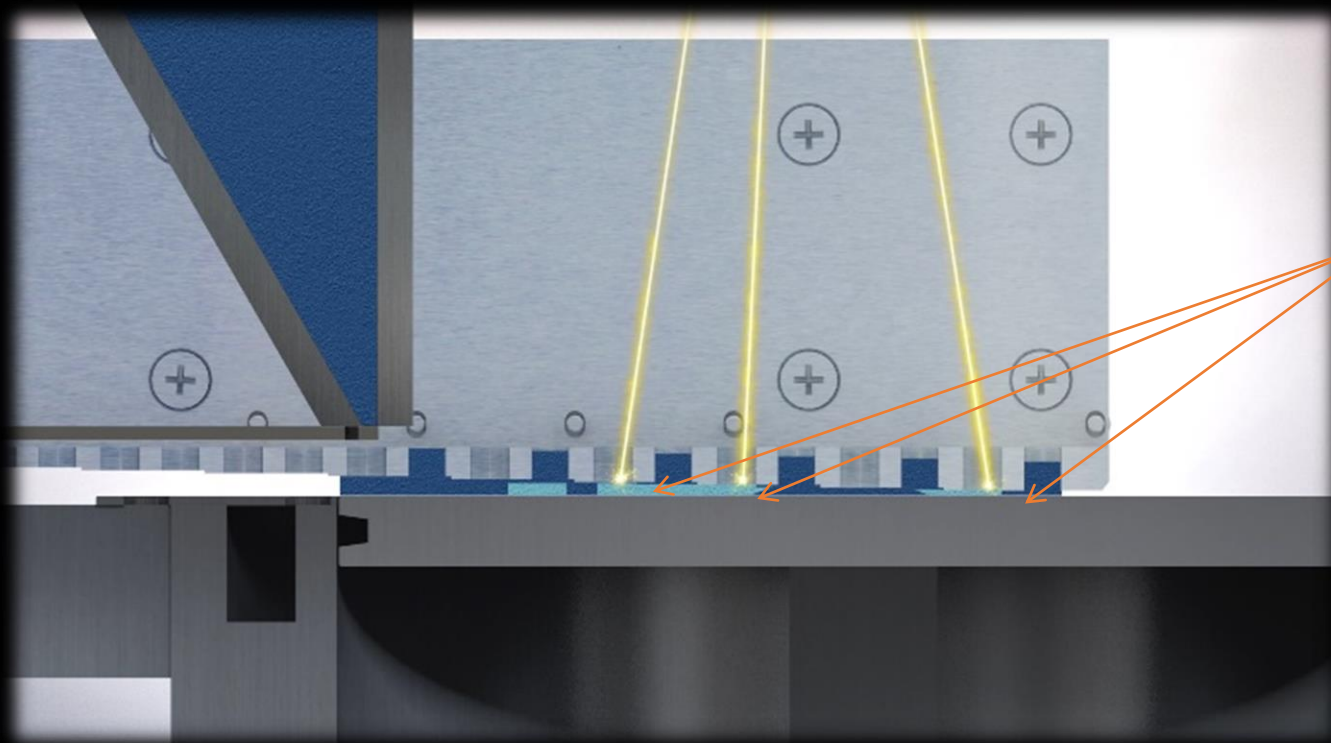
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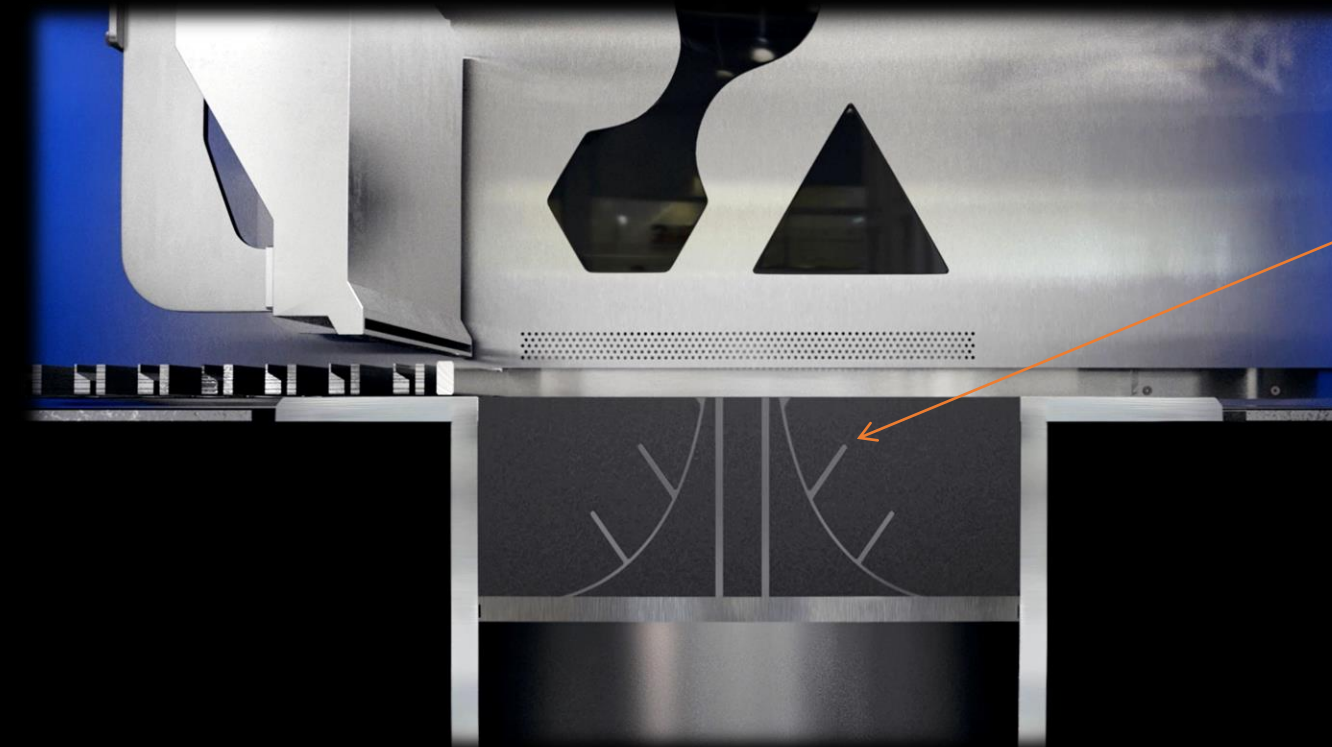
Powder drop
Powder level lowers as
Bed is coated for layer 1



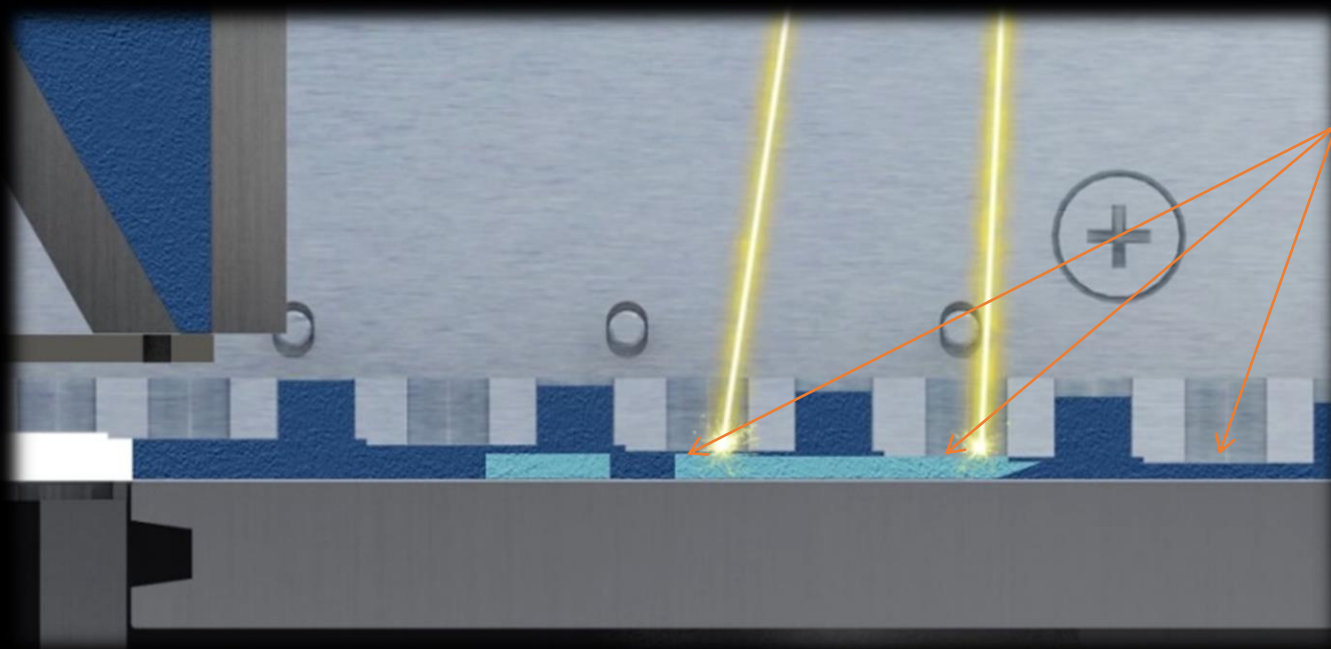
Lasing on multiple levels



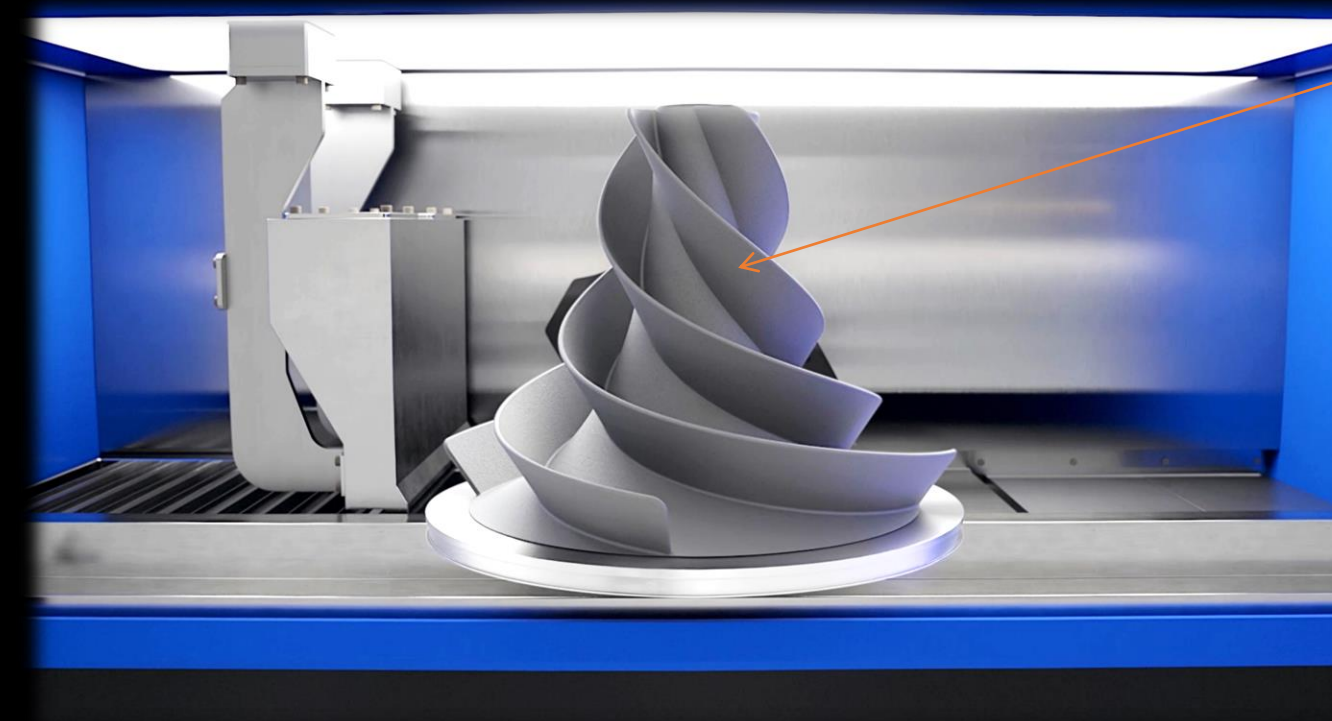
Lasing on operative
surface
Layers 1,3 and 4



Part takes shape
under powder bed



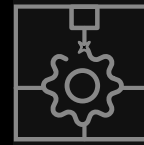
Each layer increase distance
to bed plate by a set height



Completed part
removed with build
plate

[Click here to view MCP™ test
footage on YouTube](#)

Timelapse footage of MCP™ technology in testing

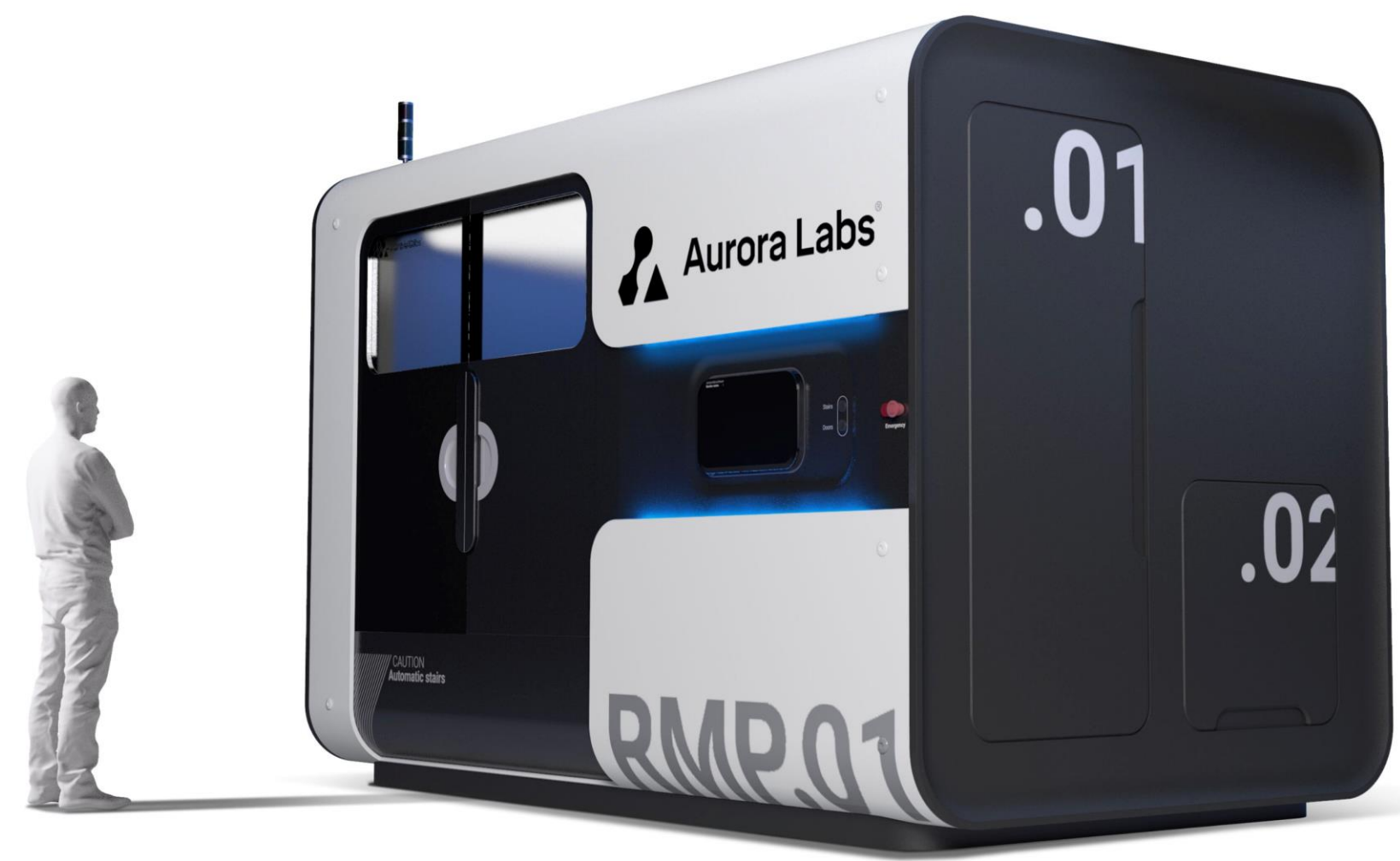


PRINTERS

RMP-1 BETA

Printing since	27 June 2019
Build Volume	420mm diameter 400mm tall
Production Machine	450mm diameter 400mm tall
Commissioning Test	316L SS Powder
Materials Printed	316L
Printing Tests Completed	43*

These test can represent individual printed parts but are more often multiple parts and/or parameters on the same print plate. The highest number of parts printed on a single plate is 99 to this point in time.



IMAGES

Top / RMP-1 Beta
Bottom Left / Generatively designed brackets printed by RMP-1 Beta
Bottom Right / Test print by RMP-1 Beta

* Printing Test are only one measure of many of the progress in the printers development. Each one represents a number of learnings that may require hardware, software and process changes or a combination of all of these. We are past the most difficult stage but we continue to strive to develop the most efficient production printer available.



[Click here to view MCP
technology explanation and
RMP-1 preview on YouTube](#)

Industry Engagement

Industry Partner Program (IPP) established to give potential RMP users:

- Early access to our printer technology,
- Participation in joint development projects,
- Priority printer purchase and,
- Participation in market development.

Aurora labs is in discussions with a over a 100 clients from various industries ranging from Automotive to Oil & Gas.

Marketing has generated hundreds of leads, over 50 are in continuing discussions behind comprehensive MNDAs
Currently in advanced pre-purchase discussions with the 21 organisations represented to the right. (Additive Now Clients not included)

BREADTH OF INTEREST FROM TIER 1 COMPANIES BY INDUSTRY SECTOR



4 Automotive / Transport



1 Marine



3 Aviation / Aerospace



1 Medical



7 Industrial



2 Mining



1 Oil & Gas



2 Advanced Materials

RMP-1 SALES PROCESS

- Leads generated through Aurora Labs' digital marketing activities, tradeshow attendances and Industry Partners
- Leads also generated through AdditiveNow
- Currently taking pre-orders with numerous discussions ongoing
- Currently in advanced discussions with 19 organisations
- Accepting deposits to fund production



US Facility

- Wholly owned subsidiary – Aurora Labs 3D US LLC
- Opening a Corporate office to provide product service, support, sales and general corporate services to the American market
- Centrally located in Dallas, Texas Dallas, with great access to the manufacturing and oil and gas centres of the US and is in close proximity to the offices of several organisations we are already in contact with
- Senior VP engaged



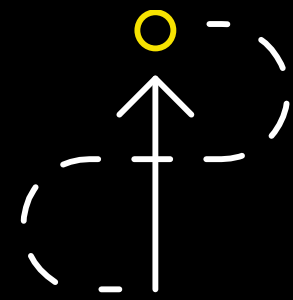
Aurora Labs'
Dallas Facility



IMAGES

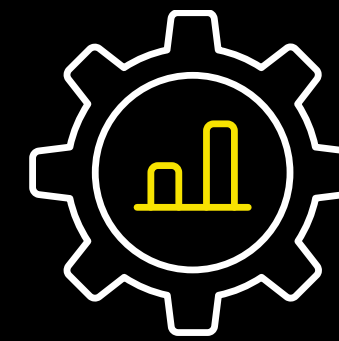
Top: US Showroom – Dallas Facility,
Bottom: Aurora Labs Tradeshow

ADDITIVENOW'S REVENUE GENERATING ACTIVITIES



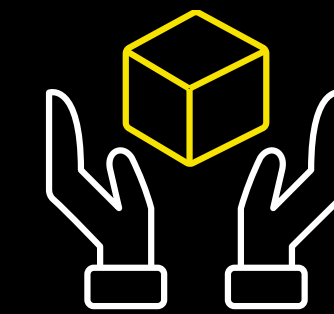
Consultation

- Advise clients on benefits of additive manufacturing
- Review of inventory



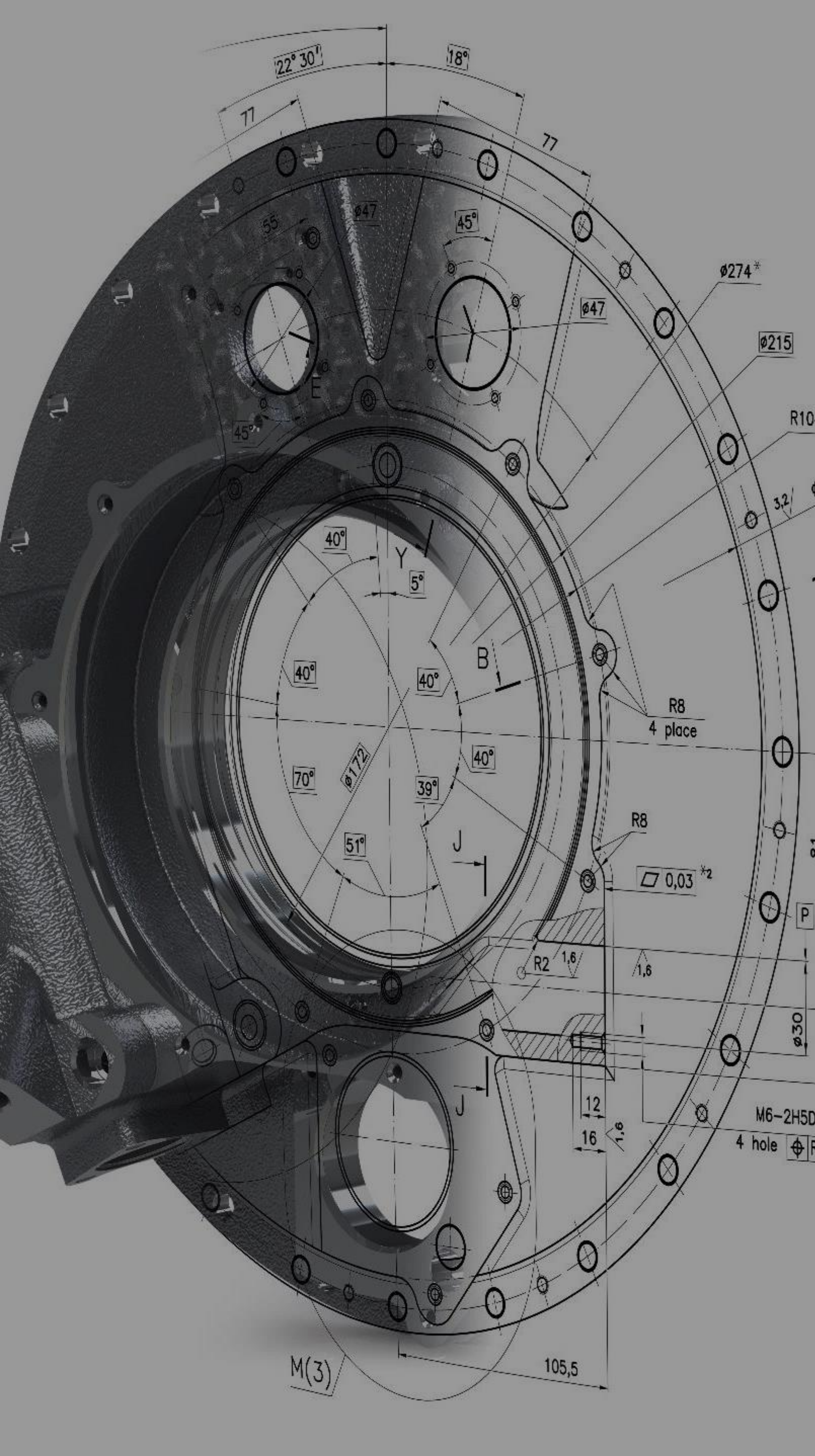
Engineering

- Reverse engineering of ageing parts
- Optimising parts for additive manufacture



Short Run Production

- Use of Aurora Lab's printers
- Printing of high value-added parts at reduced cost
- Customer become familiar with the technology and its clear benefits
- Use of Aurora's metal powders



INVESTMENT HIGHLIGHTS

INDUSTRY LEADING

Large format printers, fastest print speeds.

MARKET DISRUPTING

Threaten traditional metal manufacturing processes by lowering production cost and allow anytime, anywhere, on-demand production.

INNOVATION AT OUR CORE

Our team is built around free thinkers who have successfully taken on extraordinary technical challenges.

UNIQUE TECHNOLOGY

Patent pending technology behind our Multi-layered Concurrent Printing capability.

IN DEMAND

Some of the world's leading players in mining, energy, automotive and heavy equipment manufacturing are exploring partnerships with us.

MARKET-READY

Our first production of large format printers has commenced and we are actively seeking pre-orders.

VERTICALLY INTEGRATED

Complete service through AdditiveNow, Certification and the supply of printers powders and digital parts.

CONTACT US



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