



**robo**

Make the imagined

**Investor Briefing**

February 2017

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# Introduction to Robo 3D Limited



Robo 3D Limited is a California-based company that designs and distributes 3D printers and associated products for the desktop segment of the 3D printing industry.

Robo 3D Limited listed on the Australian Securities Exchange on 22 December 2016 under the code **RBO** after successfully raising A\$6.0 million.

# Robo is well-positioned and leveraged to scale

## Product

- New Robo C2 released to the public in late December 2016
- New Robo R2 set for release in March 2017
- Milestone manufacturing agreement with Foxconn for Robo R2
- Robo R2 awarded the “CES 2017 Best of Innovation” for 3D printing category at the Consumer Electronics Show
- Release of the Robo App for iOS in Apple Store
- Robo C2 awarded the ‘TWICE Picks Awards’ for 3D printing at CES 2017 by TWICE magazine

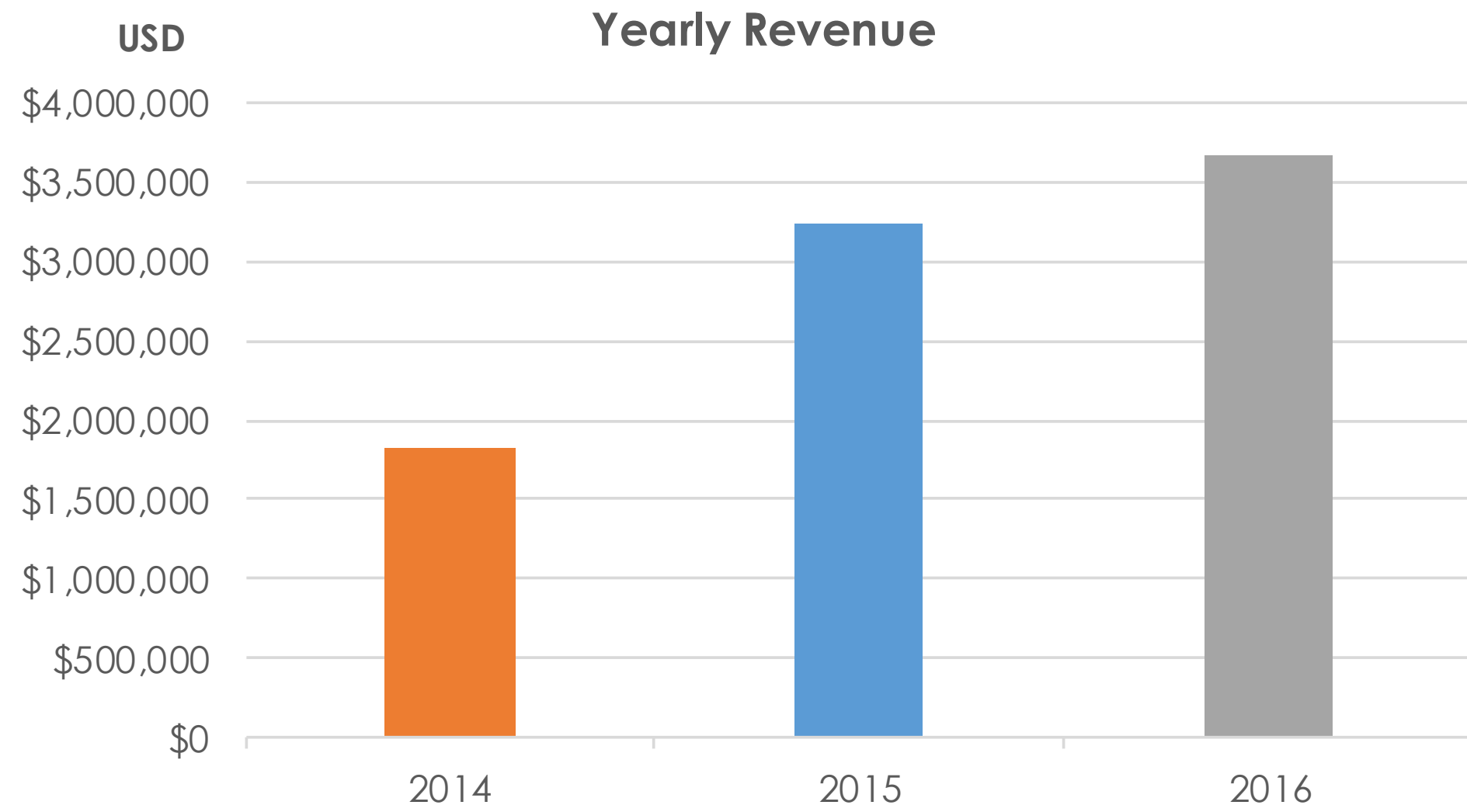
## Customer

- New retail customers including Microsoft, Office Depot and Target added in USA
- New international re-sellers in Australia, Canada and Mexico
- Amazon opened up across major European countries
- Sales team bolstered with industry leaders
- Tier 1 sales rep agencies Spring and Cities Market Studios supporting internal sales team
- Strong industry growth with garnet estimating desktop segment doubled in 2016

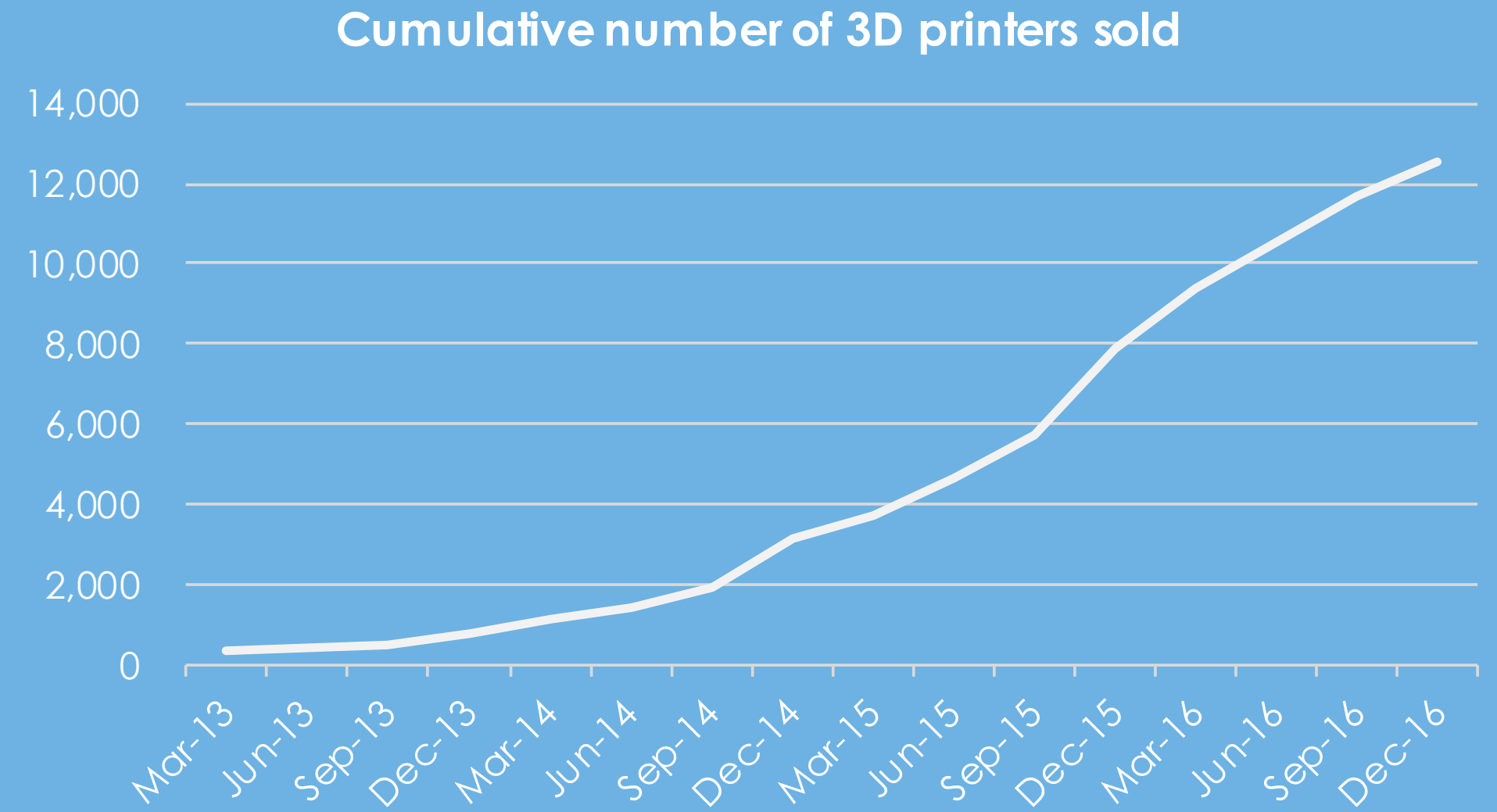
## Corporate

- Successfully listed on ASX in December 2016
- Revenue of US\$3.7m for 2016 calendar year, up from US\$3.2m (unaudited)
- Distribution and commercial partnerships (particularly in education sector) continue to advance with further updates to be provided once formalised
- Provides ASX investors with exposure to the fastest growing segment of the 3D printer industry
- Product-market fit achieved – now ready to scale

# Sales Momentum



Note: unaudited



Source: Management accounts

# Robo 3D Strategic Goals

## Increase presence In education markets

- Develop alliances with key providers of 3D-related curriculum
- Partner with existing technology vendors to education segment
- Support initiatives to drive Science, Technology, Engineering, Art and Mathematics (“STEAM”) in schools

## New customer growth

- Open new USA retail sales channels
- Expand distribution into key European markets
- Launch into Australia and selected Asian markets

## Existing customer expansion

- Expand physical store locations across existing retail customers
- Increase sales volumes at existing locations
- Grow direct-to-consumer business via robo3D.com and Amazon
- Increase number of products sold per transaction (i.e. printer + filament + kits)

## Product innovation

- Launch Robo R2
- Develop new innovative materials
- Expand 3D print kit offering
- Focus on product enhancements that improve customer experience

# Capital Structure

ASX Code:	RBO
Total Shares on Issue:	238.4m
Options:	14.0m
Exercise price of \$0.15, 3 year term, 24 months escrow	
Founder Performance Rights:	5.6m
Executive Performance Rights:	4.9m
Employee Performance Rights:	3.5m
Share Price <sup>1</sup> :	\$0.097
Market Capitalisation:	\$23.1m
Cash <sup>2</sup> :	\$5.4m
Enterprise Value:	\$17.7m

1. Closing share price on 6 February 2016

2. Balance at 31 December 2016

# Top 10 Shareholders

#	Holder Name	% Issued Capital
1	Denlin Nominees Pty Ltd	9.83%
2	Oaktone Nominees Pty Ltd	8.43%
3	Jacob Kabili	7.56%
4	Braydon Moreno	7.56%
5	Tribeca Nominees Pty Ltd	4.60%
6	RFL Capital Pty Ltd	4.42%
7	Syracuse Capital Pty Ltd	3.35%
8	Tim Grice	3.23%
9	Merrill Lynch (Australia) Nominees	3.21%
10	The Penrose Corporation	2.62%
<b>Top 10% of Total Issued Capital</b>		<b>54.81%</b>

Notes:

1. Shareholdings at listing date of 22 December 2016
2. Incoming Directors and management hold 24.4% of the issued capital.
3. 38.0% of total issued shares are restricted (held in escrow) for 24 months from quotation date.
4. Directors and employees hold 100% of the Performance Rights.
5. Free float upon listing will be 58.8% of total issued capital.





About our  
Industry

# Industry Momentum

The increase in 3D printer shipments over the next four years expected to see the number of units shipped in 2020 total more than 6.7 million.

3D printer shipments [Worldwide] expected to expand at a 98.5% compound annual growth rate through 2020, and total spending will estimated to grow at a 66.5% CAGR to \$17.7 billion in 2020.

Material extrusion is forecast to lead the market through 2020, largely due to the low cost of entry-level material extrusion printers.

SOURCE: "Forecast: 3D Printers, Worldwide 2016", 20 September 2016, Gartner

# Significant Macro Tailwinds

3D printing poised at the intersection of education & the digital revolution ...

## Issues

- Widening gap between what is taught at school and what is needed in the (future) workplace
- Unemployment driven by structural decline of traditional blue collar jobs, particularly in manufacturing

## 3D printing and education curriculum

## Responses

- Urgent need to update education curriculum, with major refocus on STEAM based curriculum from K-12
- Government funding focused on enabling teacher & student access to technology
- Government driving pathways to entrepreneurship via incubators

*“Never mind the computer on every desktop, that’s a given. In the near future, teachers and students will want or have a 3D printer on the desk to help them learn core Science, Technology, Engineering and Mathematics (STEM) principles.”*

TJ McCue (Forbes Magazine)

# Large and Growing Education Market

*“When young people are excited about science, technology, engineering, and math, that’s not just good for them. That’s good for America.” — President Obama, February 2016*

Approximately 98,000 public school and 28,000 private schools servicing more than 50 million students in the USA alone.<sup>1</sup>

IDC estimates that educational institutions in the USA spent over US\$11 billion on IT in 2015.<sup>2</sup>

Former British education secretary Lord Kenneth Baker’s publication “The Digital Revolution” has said that every UK primary school should have a 3D printer.<sup>3</sup>

## SOURCES:

1. <https://nces.ed.gov>

2. <http://www.centerdigitaled.com/higher-ed/US-Education-Institutions-Spend-66-Billion-on-IT-in-2015.html>

3. <https://www.data.org.uk/media/1664/digitalrevolutionwebversion.pdf>

# Provides Learning Opportunities in Many Subjects

History and geology



Art



Math



Engineering



Architecture



Biology and chemistry

*“The rise of makerspaces in education can be understood by examining the valuable skills cultivated during hands-on activities, including problem-solving, critical thinking, patience, and resilience. Developing these aptitudes through creative play helps students become better equipped to meet the needs of the future workplace.”*



Our  
Products

# Pioneering a Complete 3D Ecosystem





## Award Winning Products

Robo was awarded the CES Best in Innovation award for Robo R2, in the lead-up to the annual Consumer Electronics Show — the largest international consumer electronics trade show.

Products chosen as CES Best of Innovation Honorees are given to only the best product or technology in each category. Entries are evaluated on their engineering, aesthetic and design qualities, intended use/function and user value, how the design and innovation of the product directly compares to other products in the marketplace and the unique/novel features that are present.





## TWICE Best of CES Award

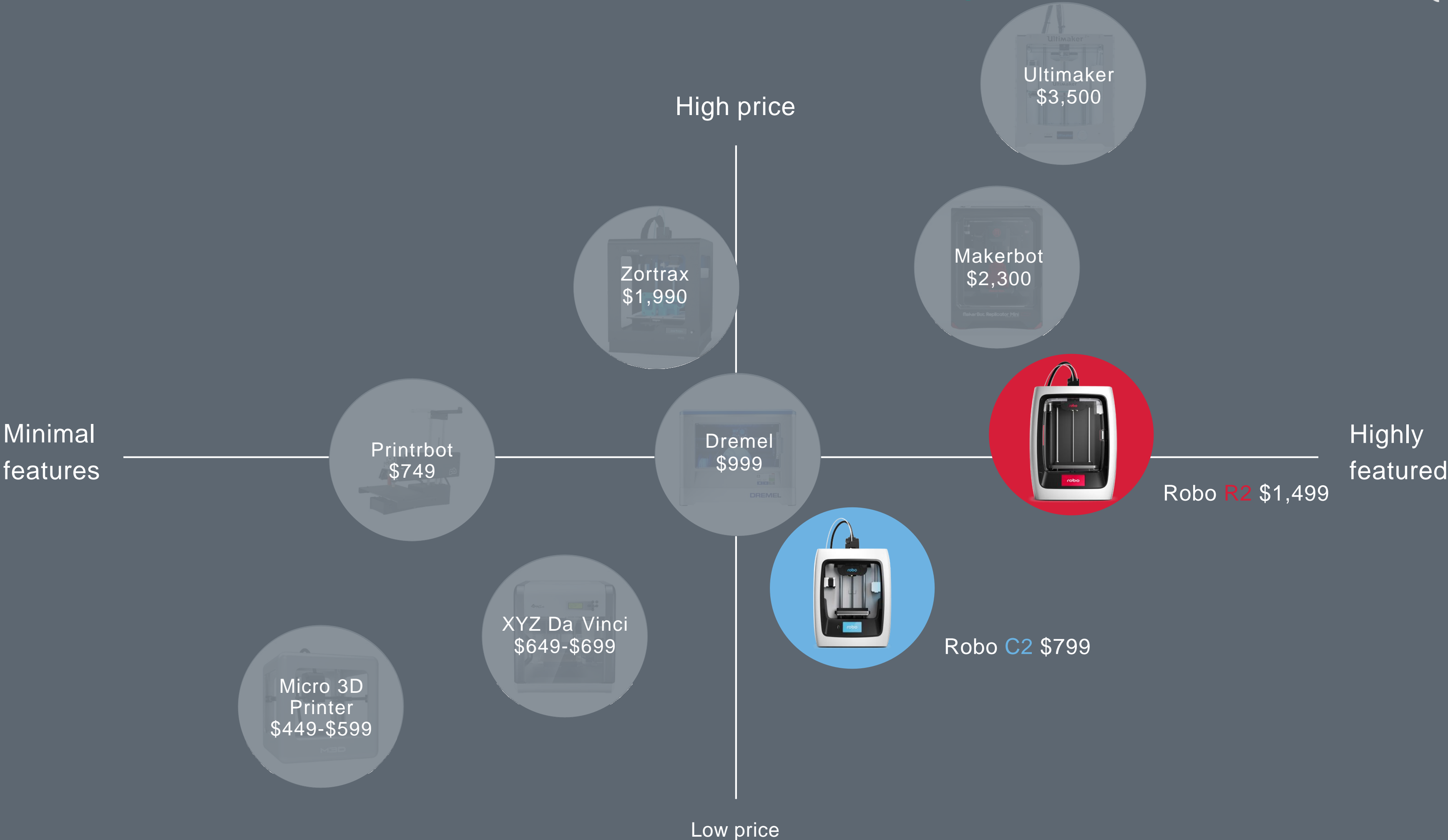
Robo C2 was honored with being a Best of CES with a TWICE Picks Award.

TWICE is the premier consumer electronics news source for retailers and industry.

*“The TWICE Picks Awards are the answer for anyone who wants to know about the most exciting, game-changing products at CES 2017,”* said Ed Hecht, TWICE publisher/VP. *“Our winners are chosen using deep perspective by some of the most experienced editors in the business. Each of the winning products demonstrated rich innovation and is expected to positively disrupt the tech market. We offer congratulations to the winners and all the nominees —standing out above the crowd at CES is an accomplishment in itself.”*

TWICE  
**PICKS**  
AWARDS  
WINNER

# Competitive Advantage

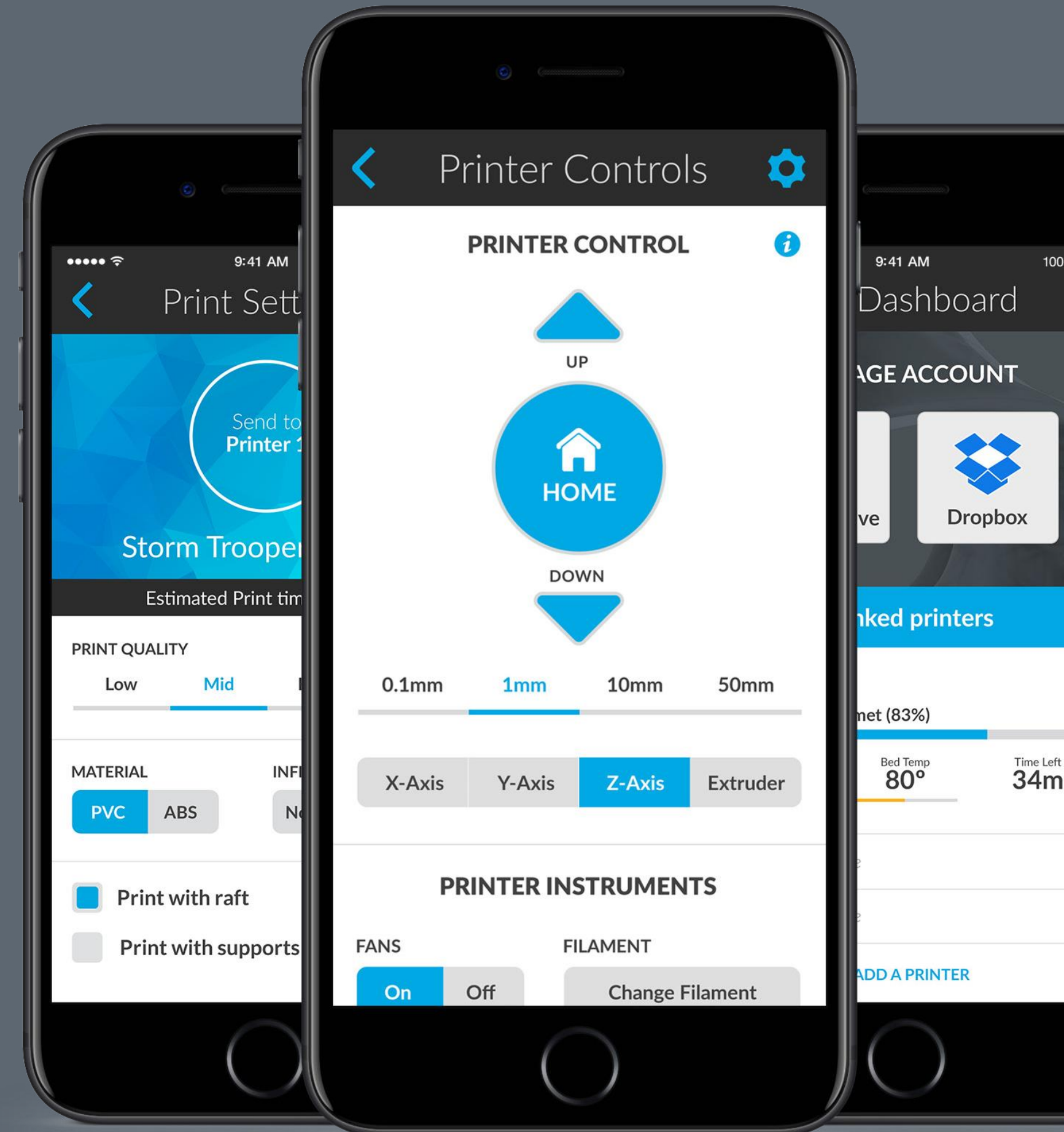


# Make Smarter with the Robo app

robo

Simply download the free Robo app to experience the next level in 3D printing and get more out of everything you make (Android coming soon).

- Connect and print right from your mobile device
- Monitor the progress of every print
- Manage multiple prints and printers at once
- Manual control panel lets you handle every detail with precision
- Connect to cloud libraries and access thousands of 3D models
- Make in-app purchases (filaments, accessories, print kits and more)



# School Curriculum

Robo curriculums make it easy for teachers to introduce students to the world of 3D printing with curriculum packages designed to engage and challenge students.

10 challenges for students K-8 designed for each age group and to correlate to each grade's common core and Next Generation Science Standards (NGSS).

Step by step usage guide of Robo printer

Step by step usage guide of Robo printer software

Step by step usage guide of Tinkered 3D design and modeling software



Focused on  
Commercialisation

# Tier One Partners



# Expansion of Sales Footprint

June 2016



December 2016

Robo C2 and Robo R2 expected to drive growth from March 2017



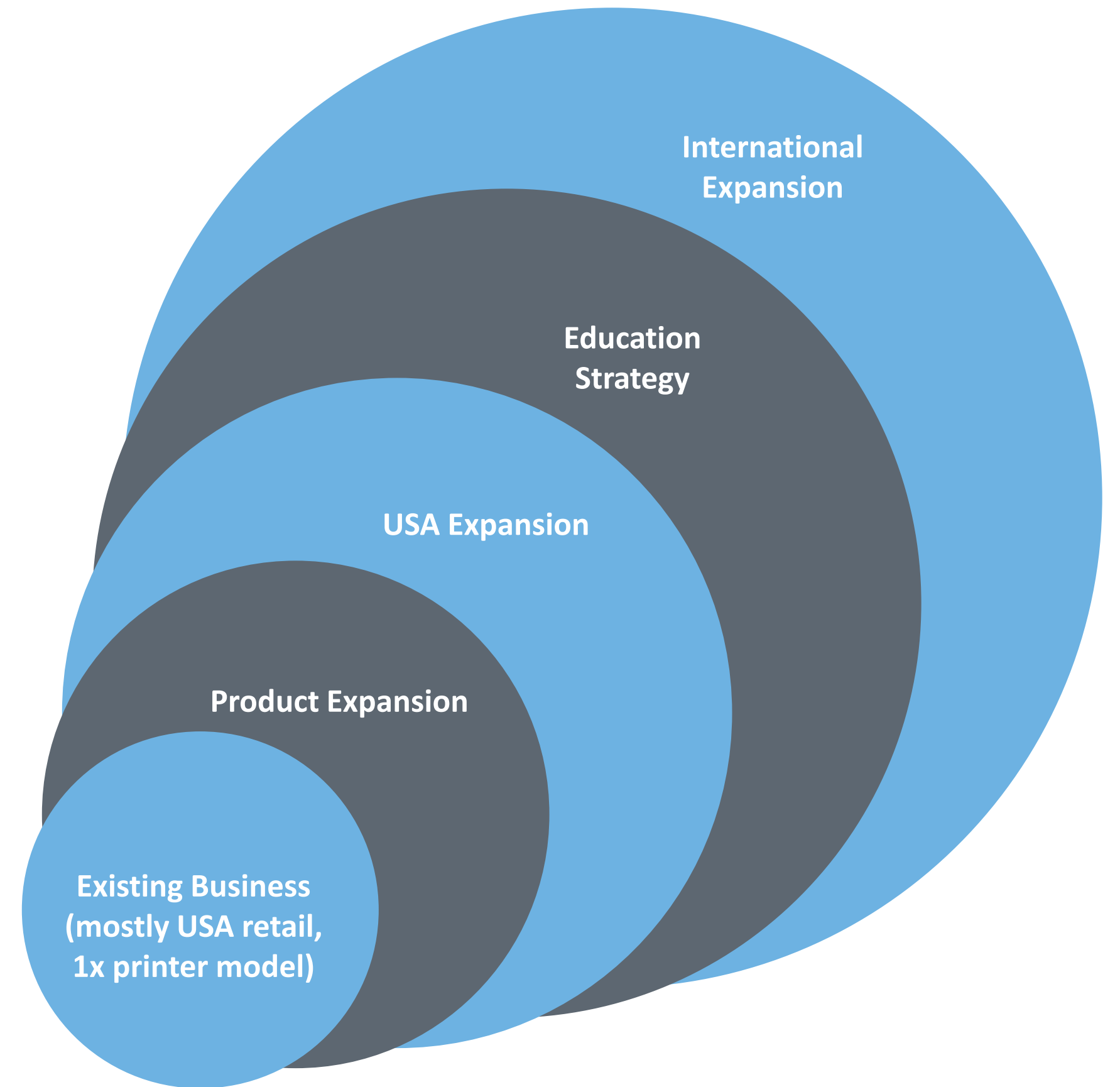
PLUS new USA customers:



# Key Assets in Place...

# ... Ready to Scale

- Product**
  - Two award winning products by March 2017
  - Manufacturing agreement with Foxconn
  - Robo App for iOS released
- Customer**
  - New retail customers incl. Microsoft, Office Depot and Target
  - Re-sellers in Canada, Australia, Mexico, and Amazon across Europe
- People**
  - Key sales hires including Randy Waynick (ex-Sony) and Steve Weart (ex-Makerbot)
  - New head of finance David Weinmann (previously at large global toy manufacturer)
- Corporate**
  - Unaudited revenue of US\$3.7m for 2016
  - Funding available for sales & marketing
  - Advanced discussions for additional distribution and commercial partnerships



*Note: not to scale, for demonstration purposes only.*



For further information:

**INVESTORS**

**Ryan Legudi** — Managing Director, Robo 3D Limited  
+61 434 528 648

**MEDIA — AUSTRALIA**

**Elodie Castagna** — FTI Consulting  
+61 8 9485 8888

**MEDIA — NORTH AMERICA**

**Xenia Moore** — Moore Baker Media  
+1 619 508 0488 | [xenia@moorebakermedia.com](mailto:xenia@moorebakermedia.com)

Or email [investors@robo3D.com](mailto:investors@robo3D.com)

**robo**



Designed in San Diego, California USA

[Robo3D.com](http://Robo3D.com)

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