

Investor Presentation

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Revasum uses certain measures to manage and report on its business that are not recognised under Australian Accounting Standards or IFRS. These measures are collectively referred to in this document as 'non-IFRS financial measures' under Regulatory Guide 230 'Disclosing non-IFRS financial information' published by ASIC. Management uses these non-IFRS financial measures to evaluate the performance and profitability of the overall business. The principal non-IFRS financial measures that are referred to in this document is EBITDA. EBITDA is earnings before interest, tax, depreciation and amortisation and significant items. Management uses EBITDA to evaluate the operating performance of the business prior to the impact of significant items, the non-cash impact of depreciation and amortisation and interest and tax charges.

Although Revasum believes that these measures provide useful information about the financial performance of Revasum, they should be considered as supplements to the income statement measures that have been presented in accordance with the Australia Accounting Standards and IFRS and not as a replacement for them.

Financial data
All dollar values are in US dollars (US\$) unless as otherwise presented.



Revasum Overview (ASX: RVS)



A\$96.45 millionMarket Cap



A\$1.26 Stock Price 2018 **US\$27.3 million**

Sales by Year

2017





16.9%
Management Ownership
of Fully-Diluted



76,546,178Shares on Issue

Share and Shareholder data as of 9 May 2019

Who is Revasum?

Revasum is a leading designer and manufacturer of equipment essential to the production of semiconductor devices ubiquitous in everyday life such as IoT, automotive, wearables, telecommunications and industrial applications.



SYSTEM SALES \$625,000 AVERAGE PRICE:

35 Systems shipped in 2018



Revasum's equipment is at the **beginning** of the technology we use every day



Many of the world's best known products start with Revasum equipment

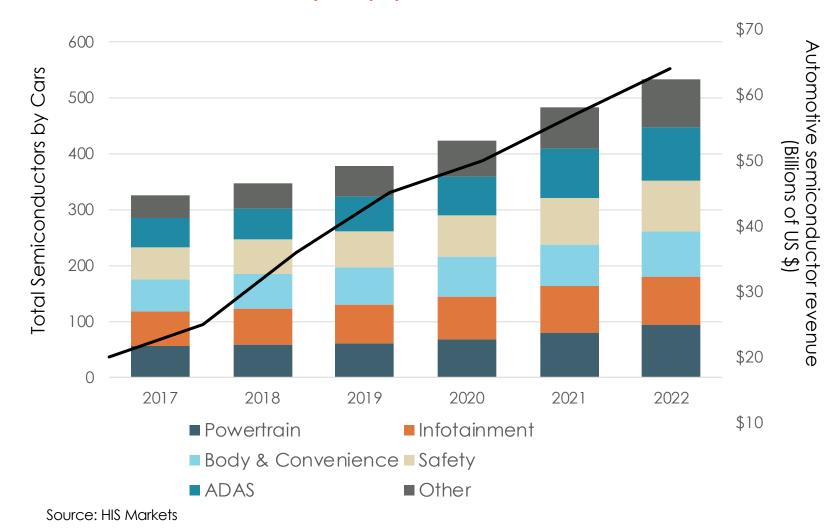
Revasum sells their manufacturing equipment to microchip fabs

The microchip fabs use Revasum equipment to make the substrates for devices used in automobile's, 5G and IoT



MARKET OPPORTUNITIES AND HIGHLIGHTS

Semiconductor Devices in Autos by Application

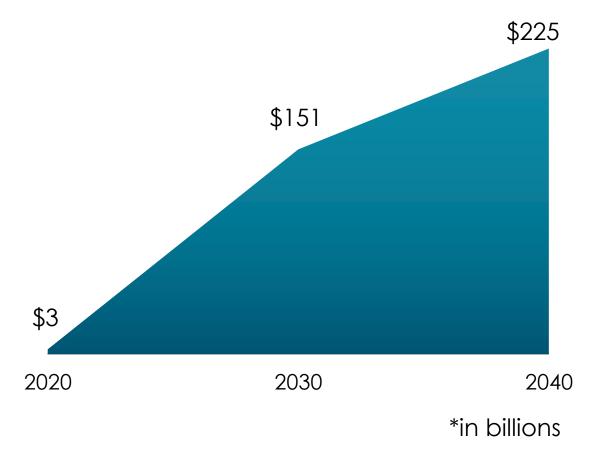


AUTOMOTIVE

As the automotive industry moves towards "Zero Emissions" transportation, manufacturers are rapidly ramping up their electrification programs; with most OEMs targeting 2025 for significant volumes of Battery Electric (BEVs), Hybrid Electric Vehicles (HEVs) and Super Charging Stations.



5G Semiconductor Device Market Forecast



Source: Frost & Sullivan, End-markets for Semiconductor Manufacturing Equipment



The adoption of 5G is expected to be driven by end use adoption of devices requiring faster processing speed and lower latency.

By 2025 there are expected to be ~1.2 billion 5G connections globally; accounting for 14% of all mobile connections.





devices to packaging.

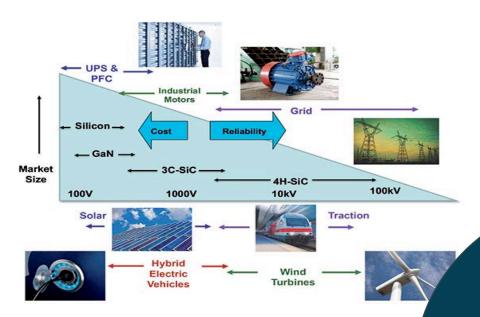
MOSFETs. In addition, it claims to have been was the first supplier to produce complete SiC power modules and SiC trench MOSFETs. The firm has also introduced a vertically integrated production system throughout the group, spanning the entire manufacturing process from SiC wafers through

ROHM says that it is targeting the top market share in SIC wafers and components, and hence its production capacity must be greatly increased. Production efficiency is to be improved by further increasing wafer size and using the latest equipment. Secondly, constructing a new factory or building is also necessary. The new three-storey building at Apollo will increase production area by about

Global Silicon Carbide Device Market Size Growing Fast

The global silicon carbide market size is expected to reach USD **\$16 billion** by 2032







Si Cubic

SiC Hexagonal

SiC Advantages

70% more efficient

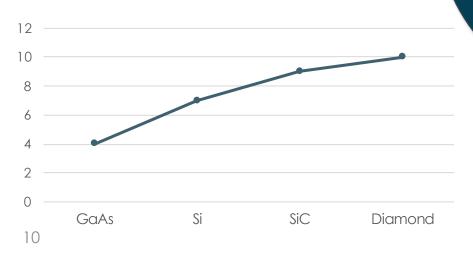
2-3X faster switching speed

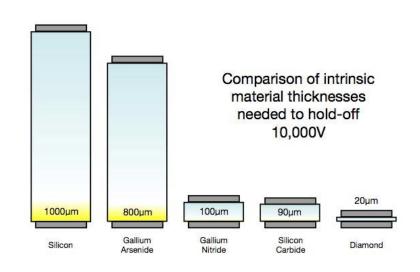
Deliver 65% increase in power density

30% fewer components

*vs. Silicon

Mohs Hardness Scale



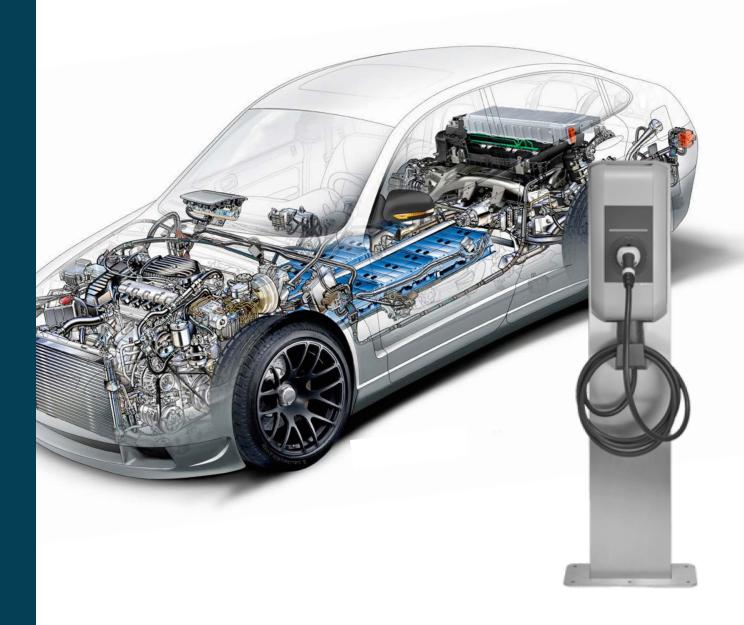


AUTOMOTIVE

SiC Driving EV Infrastructure with Higher Power Density and Switching Efficiency

As electric vehicles (EVs) have penetrated lithium battery markets, key electrochemical properties have imposed more challenging standards; while higher energy densities are desired for increased driving mileage, enhanced reaction kinetics are demanded for fast charging and high rate operations.





Current LTE networks cannot transmit and receive signals at the same time on the same channel, using SiC solves this.





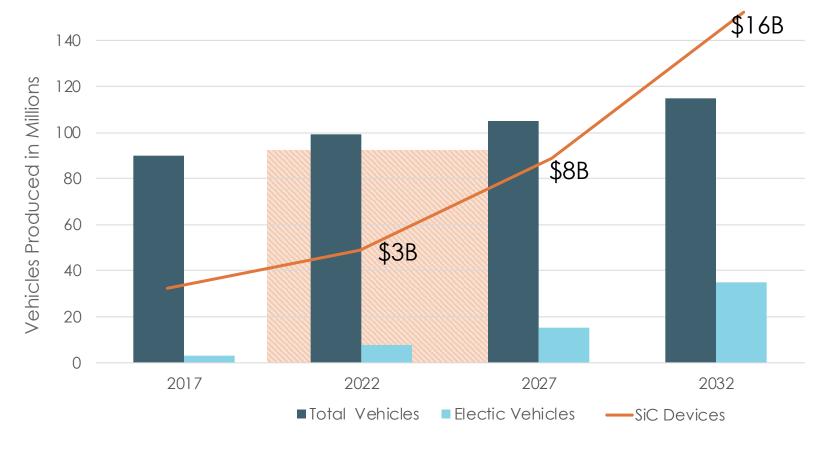
SiC for 5G is about Reducing the Size and Increasing Power

5G not only requires the installation of more base stations, but also more compression of power on the device level. Temperature, speed, power, efficiency, size and cost become key criteria for selecting a semiconductor technology upon which 5G base stations will be built.

GaN on SiC—is the clear choice for 5G based on its superior technology characteristics and lifetime total cost of ownership.



Even Modest EV Adoption Drives Massive SiC Equipment Demand



*Source: Morgan Stanley and Cree

What does SiC Mean for Revasum?

total SiC grinding and polishing equipment market of

\$565m**

over the next 5 years

**Company estimate



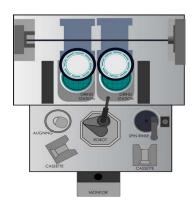
Revasum Develops and Manufactures SiC Grinders and Polishers

Revasum grinders are designed to provide high reliability and consistent performance at a low cost of ownership

Revasum device-proven polishing equipment is ideal for a broad range of applications



SIC GRINDER

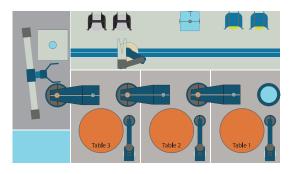


Market Advantage

We have #1 market share for SiC backside thinning



SIC POLISHERS



Market Advantage

Flatter, smoother, more consistent prime wafers result in higher device yields

Processing 6" SiC Wafers is Difficult

Traditional Batch Process

This process sequence involves numerous separate process tools and is fraught with issues including manual loading and unloading of wafers, the requirement for wafer sorting to group wafers by thickness, damage induced by the loose lapping abrasive, low yields, and unacceptably high risk of scrap (an entire batch of wafers may be scrapped if even one wafer cracks or breaks during a batch process).



REVASUM HAS THE SOLUTION!

Revasum's Single Wafer Process

Revasm's single wafer tools can significantly simplify the process sequence. The key improvements include individual wafer processing, better controls, fully-automated handling, two-sided grinding, integrated cleaning for both the grinder and polisher, elimination of diamond polish step, and elimination wafer sorting prior to final polish.





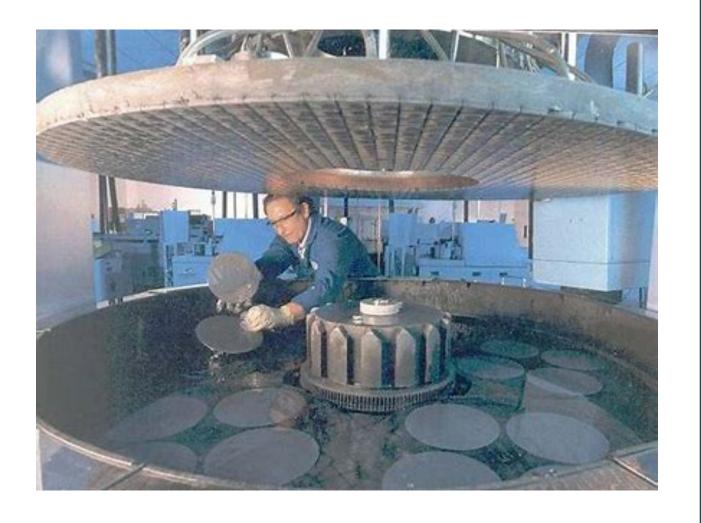




REVASUM SIC GRINDER

REVASUM SIC POLISHERS



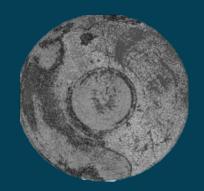


Traditional Batch

A dirty, manual process

Manual load and unload from each batch step increases scrap (wet wafers are slippery and break easily!)

Wafers sit in slurry and debris while being unloaded by hand



Dried slurry is like dried cement – tough to remove



Revasum Single Wafer A Clean Automated Process



Fully automated, cassette-to-cassette handling. Single and two-sided processing requires minimal labor.



Integrating cleaning prevents slurry and debris from drying on the surface of the wafer.

Revasum is the Clear Choice for SiC Device Processing

Most SiC is produced on 4" wafers. To meet market demands fabs are switching to 6" and even 8" wafers.

To make the move to larger wafer size, Revasum's single wafer process is clearly the better choice.

	Revasum's Single Wafer Processing SiC Substrates	Batch Wafer Processing SiC Substrates
Higher Throughput		✓
Better wafer-to-wafer consistency	Q	
Improved TTV		
No Wafer Sort Required		
Reduce Sub-surface Damage		
Better Yield		
Improved EPI readiness		
Fully Automated		
Clean, Dry wafer after polish		
Cost of Ownership	O	



FINANCIAL PERFORMANCE AND INVESTMENT HIGHLIGHTS

2018 Financial Highlights / 1H19 Outlook

(USD in millions)	FY18 Actual	IPO FY18*	IPO 1H19*	1H19 Current Guidance
Revenue	\$27.3M	\$27.5M	\$20.5M	\$15M - \$16.5M
Gross Profit	\$10.2M	\$10.0M	\$8.6M	
GM%	37%	36%	42%	
Operating Expenses	\$11.2M	\$11.1M	\$6.5M	
Operating Income(Loss)	(\$1.0M)	(\$1.2M)	\$2.1M	

Reconciliation of Adjusted EBITDA to Operating Loss

(USD in millions)	FY18 Actual	IPO FY18*	IPO 1H19*	1H19 Current Guidance
Adjusted EBITDA	\$0.8M	\$0.3M	\$2.9M	(\$1.5M) to \$1.0M
IPO Costs	(\$1.3M)	(\$1.0M)	\$0.0M	
Share Based Comp.	(\$0.3M)	(\$0.3M)	(\$0.3M)	
Depr. and Amort.	(\$0.2M)	(\$0.2M)	(\$0.5M)	
Operating Income(Loss)	(\$1.0M)	(\$1.2M)	\$2.1M	

1H19 Revenue
Guidance lowered April
2019 due to revised
delivery and production
schedule and booking
forecast.

Cash Balance of US\$19.8 (unaudited) as of 31 March 2019 and no debt.



^{*} IPO Prospectus Forecast for Fiscal Year 2018 and six months ended 30 June 2019

INVESTMENT HIGHLIGHTS / OUTLOOK

- Capitalizing on strong growth in demand for end-use products driven by the Automotive, IoT, & 5G markets.
- New Product development of SiC-focused Polisher tracking to be delivered on-time and on-budget in 2H19.
- Strategically focused on the wafer substrate and device markets sized 200mm and below where there is a known shortage of equipment supply.
- Experienced Management Team
- Strong Intellectual Property Portfolio



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