



Investor Presentation

August 2020

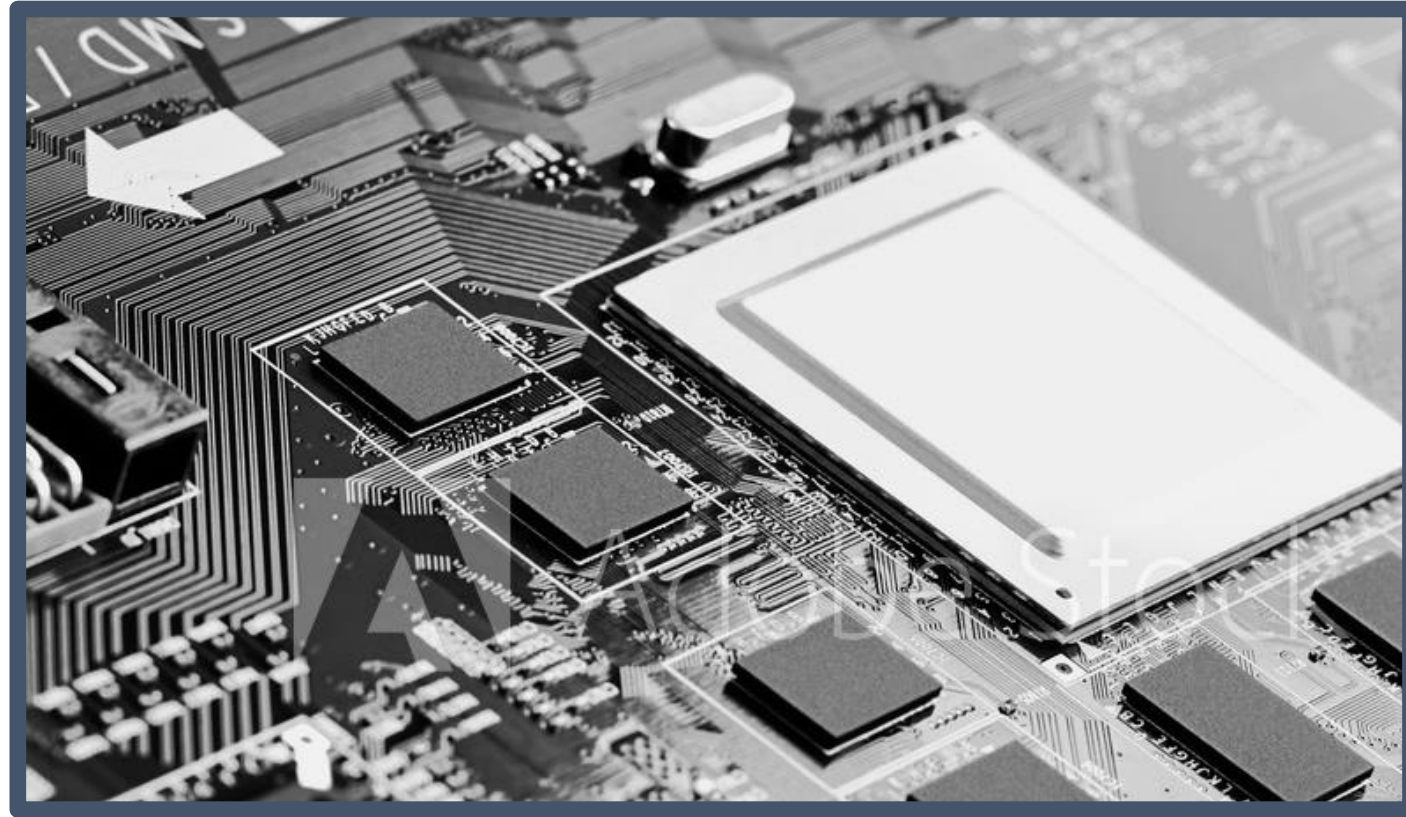
Safe Harbor Statement

This Presentation may contain certain statements or information that constitute “forward-looking statements” (as such term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995). In some, but not all, cases, forward-looking statements can be identified by terminology such as “may,” “plan,” “anticipate,” “seek,” “will,” “expect,” “intend,” “estimate,” “anticipate,” “believe,” “continue,” “predict,” “potential,” “project,” “should,” “would,” “could,” “likely,” “future,” “target,” “forecast,” “goal,” “observe,” and “strategy” or the negative of these terms or other comparable terminology. Examples of forward-looking statements include statements regarding Amtech System, Inc.’s (“Amtech” or the “Company”) future financial results, operating results, business strategies, projected costs, products under development, competitive positions, plans and objectives of Amtech and its management for future operations, efforts to improve operational efficiencies and effectiveness and profitably grow our revenue, and enhancements to our technologies and expansion of our product portfolio. Such forward-looking statements and information are provided by the Company based on current expectations of the Company and reflect various assumptions of management concerning the future performance of the Company, and are subject to significant business, economic and competitive risks, uncertainties and contingencies, many of which are beyond the control of the Company. Accordingly, there can be no guarantee that such forward-looking statements or information will be realized. Actual results may differ materially from historical results and expectations based on forward-looking statements made in this document or elsewhere by Amtech or on its behalf. No representations or warranties are made as to the accuracy or reasonableness of any expectations or assumptions or the forward-looking statements or information based thereon. Only those representations and warranties that are made in a definitive written agreement related to a transaction, when and if executed, and subject to any limitations and restrictions as may be specified in such definitive agreement, shall have any effect, legal or otherwise. Each recipient of forward-looking statements should make an independent assessment of the merits of and should consult its own professional advisors. Except as required by law, we undertake no obligation to publicly update forward-looking statements, whether as a result of new information, future events, or otherwise.

What We Do



AMTECH DEVELOPS AND
SUPPLIES ESSENTIAL
**EQUIPMENT AND
CONSUMABLES** TO THE
POWER SEMICONDUCTOR
INDUSTRY



Amtech At-A-Glance



\$1.0B+

TOTAL ADDRESSABLE
MARKET

\$80M

REVENUE
(FY 2019)

\$46M

NET CASH
(JUN. 2020)

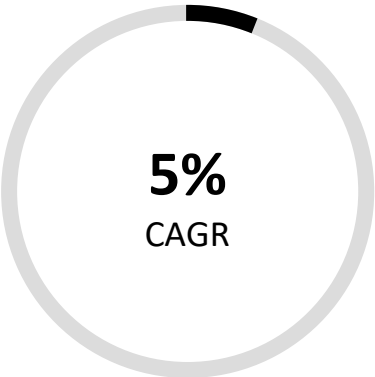
14%

REVENUE CAGR
(FY 2015-2019)

15%

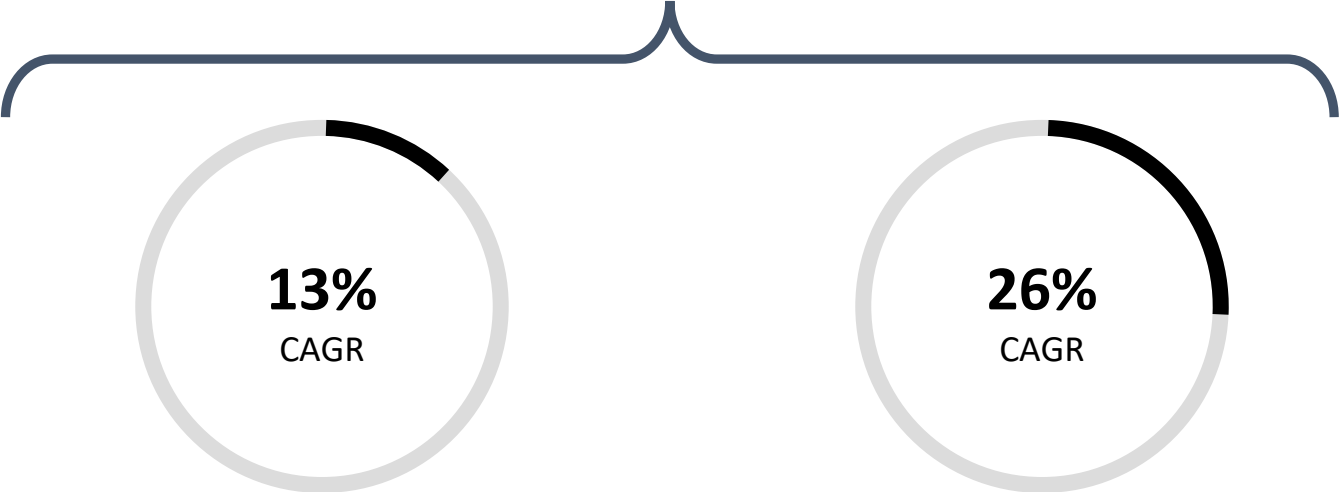
NON-GAAP
OPERATING MARGIN
(FY 2019)

AMTECH IS FOCUSED ON HIGH-GROWTH SECTORS OF THE SEMICONDUCTOR MARKET



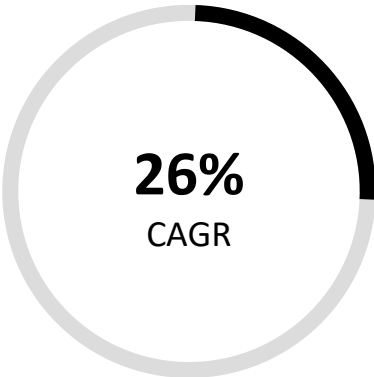
SEMICONDUCTOR

\$500 Billion
Global Device Market



POWER SEMICONDUCTOR

\$15 Billion
Global Device Market



SILICON CARBIDE

\$1.3 Billion
Global Device Market

Source: Yole, Market Research Future and Fortune Insight

POWER SEMICONDUCTORS ARE EMBEDDED IN VIRTUALLY EVERYTHING AROUND US



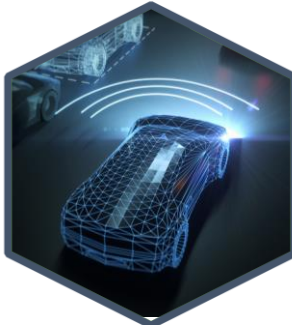
MOBILE/CONSUMER



COMPUTING



INDUSTRIAL



AUTOMOTIVE

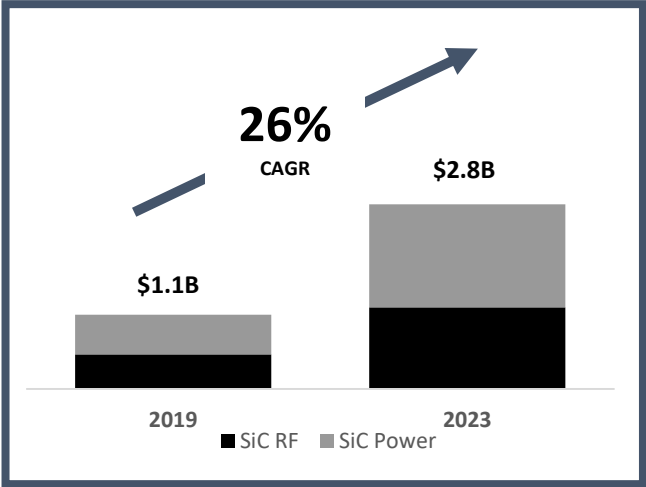


TELECOM



MEDICAL

SILICON CARBIDE IS HIGHLY LEVERED TO TWO DISRUPTIVE MARKETS



SiC FORECAST



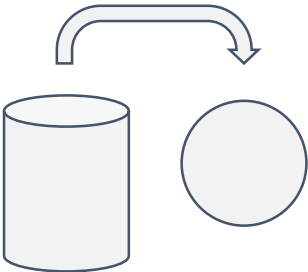
EV ADOPTION



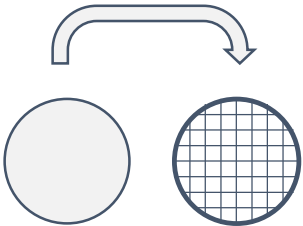
5G ROLLOUT

Source: Yole

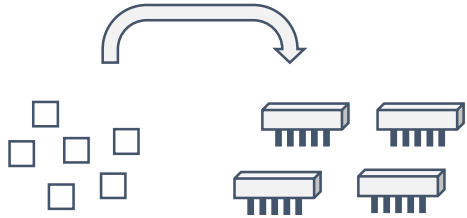
DIVERSIFIED PRODUCT PORTFOLIO ADDRESSES SEVERAL FUNDAMENTAL PROCESS STEPS IN CHIP MANUFACTURING



Substrate



Chip Fabrication



Packaging & SMT

Application

Lapping & Polishing

Diffusion Furnace

Thermal Processing

Market Focus

Silicon Carbide, Silicon & Sapphire Substrates

Power Semiconductors, Sensors & Analog Devices

Power Semiconductor Packaging, Chip Packaging & SMT

Revenue Contribution

17%

83%

HIGHLY LEVERED TO SILICON CARBIDE MARKET

Premier Brand



Serving Industry Since 1938

Market Leading

In Lapping & Polishing
Consumables & Machines for
SiC/GaN, Si & LED

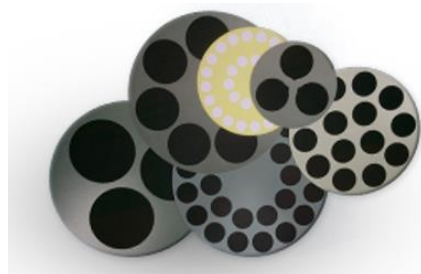
Strong Growth Potential

Next-Generation Products
Closely Aligned with SiC
Growth Opportunities

Dominant Customer Base

Top 2 Customers Account for
~60% of SiC Substrate Market
Share

POLISHING TEMPLATES



CARRIERS



MACHINES



HIGH PERFORMANCE PRODUCTS FOR POWER CHIP FABRICATION

Premier Brand



Serving Industry Since 1968

Leadership Position

In Emerging 300mm HTR Diffusion Furnace for Power Semiconductors

Robust Growth Outlook

Broad Need for High Power Applications and Growth in xEV and Auto Electronics Content

Dominant Customer Base

Serving Top Players in the Market Including the #1 Power Semiconductor Producer

200mm CLUSTERED HTR DIFFUSION FURNACE SYSTEM



HTR DIFFUSION FURNACE



CHIP PACKAGING & SMT REPRESENT A CORE OPPORTUNITY

Premier Brand



Serving Multiple Industries Including: Communications, Computing, Consumer, Industrial and Automotive

Revenue Foundation

Products Represent a Major Contributor to Overall Corporate Revenue

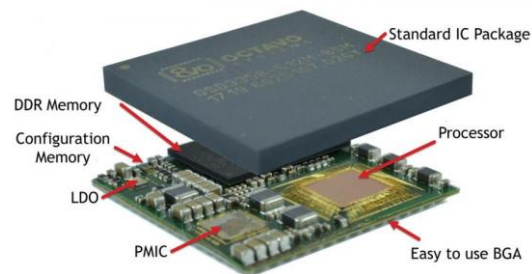
Industry Level Growth

Growth Rates Track Semiconductor Industry Growth Cycles

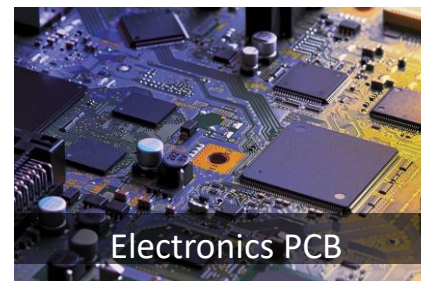
Investment Opportunities

New Product Development Including Aquascrub™, Wincon and the Next Generation Pyramax Platform

CHIP PACKAGING



SMT FOR ELECTRONICS



CUSTOM ENGINEERED FURNACES



RELENTLESS CUSTOMER SERVICE IS AT THE CORE OF EVERYTHING WE DO

TRUSTED SUPPLIER

Decades of Industry
Leadership and
Customer Commitment

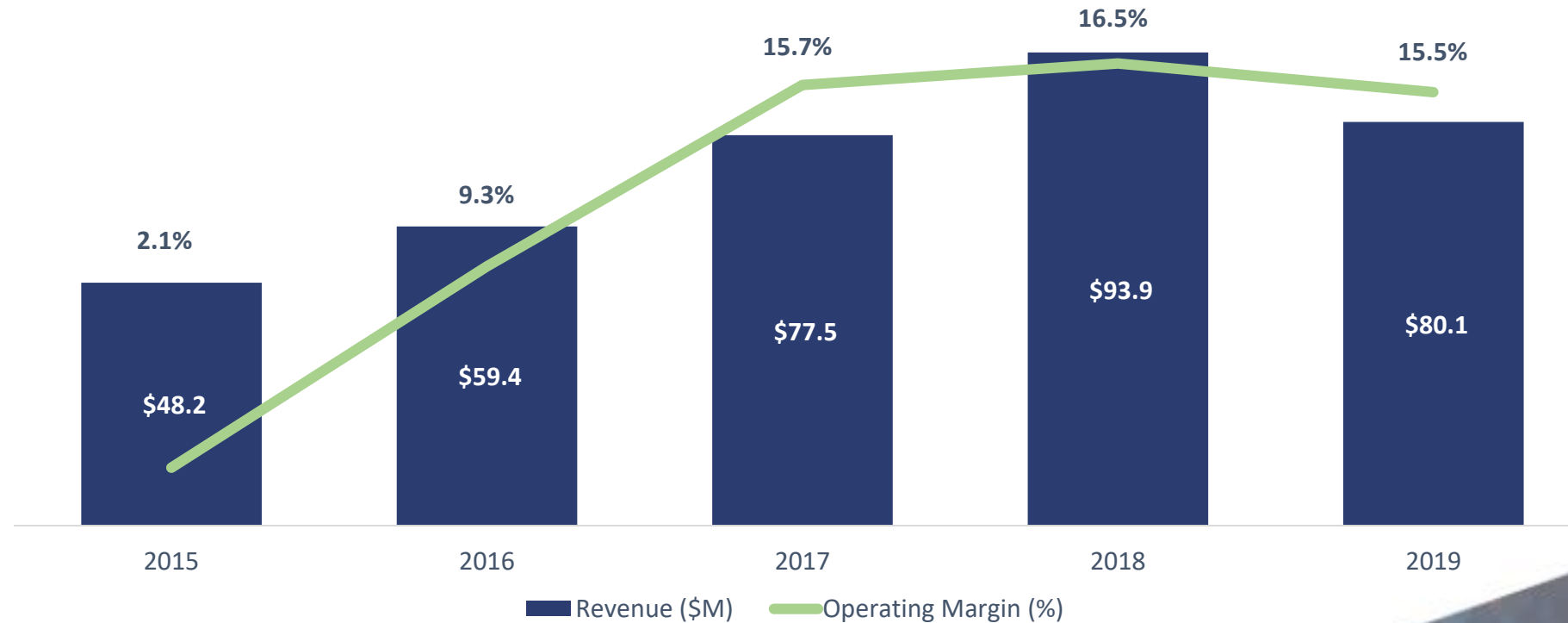
HIGH QUALITY SOLUTIONS

Focus on Markets that
Prioritize Quality Over
Price

LEADING EDGE INNOVATION

Collaborate with Industry
Leaders to Align with
Next-Generation Product
Roadmaps

RESILIENT OPERATING MARGIN PROFILE IN RECENT YEARS DESPITE INDUSTRY CYCLICALITY



Strong Balance Sheet (as of June 30, 2020)

AMPLE LIQUIDITY TO INVEST IN PROFITABLE GROWTH OPPORTUNITIES

\$46M

CASH & CASH
EQUIVALENTS

\$104M

TOTAL ASSETS

\$5M

TOTAL DEBT

\$82M

SHAREHOLDERS
EQUITY

14.2M

WEIGHTED AVERAGE
DILUTED SHARES
OUTSTANDING

FOCUSED ON INVESTMENTS WHICH INCREASE DEMAND AND CASH FLOW IN FY 2021 AND BEYOND

PRODUCTS

Invest in the development of next generation products across the entire portfolio

CAPACITY

Increase and upgrade manufacturing capacity ahead of expected increases in demand

SYSTEMS

Upgrade existing IT Systems to improve processes and business insights

ACQUISITIONS

Evaluate strategic inorganic growth opportunities which expand capabilities and increase shareholder value

OPPORTUNITIES ARE EVALUTED BASED ON THEIR ABILITY TO INCREASE
SHAREHOLDER VALUE OVER TIME



Investment Highlights

-  PREMIER BRAND WITH MARKET LEADING PRODUCTS
-  LEVERED TO HIGH GROWTH POWER SEMICONDUCTOR AND SILICON CARBIDE MARKETS
-  DIVERSIFIED PRODUCT PORTFOLIO, ADDRESSING SEVERAL STEPS IN THE MANUFACTURING PROCESS
-  TRUSTED GLOBAL SUPPLIER WITH DECADES OF EXPERIENCE
-  INDUSTRY LEADING CUSTOMERS WITH MINIMAL CONCENTRATION
-  STRONG FINANCIAL PROFILE ABLE TO WEATHER EQUIPMENT INDUSTRY CYCLICALITY
-  AMPLE LIQUIDITY TO INVEST IN PROFITABLE GROWTH OPPORTUNITIES

NASDAQ: ASYS
