

CVD

Equipment Corporation

enabling tomorrow's technologies™

COMPANY PRESENTATION

JANUARY 2025

CVD
Equipment
Corporation

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firstnano

SDC

Safe Harbor Statement

The Private Securities Litigation Reform Act of 1995 provides a "safe harbor" for forward-looking statements. Certain information included in this press release (as well as information included in oral statements or other written statements made or to be made by CVD Equipment Corporation) contains statements that are forward-looking. All statements other than statements of historical fact are hereby identified as "forward-looking statements," as such term is defined in Section 27A of the Securities Exchange Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Such forward looking information involves a number of known and unknown risks and uncertainties that could cause actual results to differ materially from those discussed or anticipated by management. Potential risks and uncertainties include, among other factors, market and business conditions, the success of CVD Equipment Corporation's growth and sales strategies, the possibility of customer changes in delivery schedules, cancellation of, or failure to receive orders, potential delays in product shipments, delays in obtaining inventory parts from suppliers and failure to satisfy customer acceptance requirements, competition in our existing and potential future product lines of business, including our PVT systems; our ability to obtain financing on acceptable terms if and when needed; uncertainty as to our ability to develop new products for the high power electronics market; uncertainty as to our future profitability; uncertainty as to any future expansion of the Company; uncertainty as to our ability to adequately obtain raw materials and components from foreign markets in light of geopolitical developments; and other risks and uncertainties that are described in the Company's Annual Report on Form 10-K for the year ended December 31, 2023 and the Company's other filings with the Securities and Exchange Commission. For forward-looking statements in this release, the Company claims the protection of the safe harbor of the Private Securities Litigation Reform Act of 1995. The Company assumes no obligations to update or supplement any forward-looking statements whether as a result of new information, future events or otherwise. Past performance is not a guarantee of future results.

Key Markets



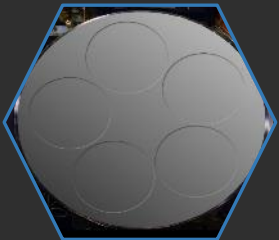
Aerospace & Defense



High Power Electronics



EV Battery Materials/Energy Storage



Industrial Coating Equipment

CVD Equipment Corporation

CVDE designs and manufactures a broad range of chemical vapor deposition, thermal processing and physical vapor transport equipment to Aerospace & Defense, High Power Electronics, Energy Storage, and Industrial Materials markets

About CVDE:

- Manufacture application-specific and turn-key systems for Advanced & Energy Efficient Materials
- Serving customers with demanding material performance requirements
- Provide relentless commitment to customer satisfaction
- Deliver competitive advantage to our customers through innovation, market focus and operational excellence



We are located on Long Island and in Saugerties, New York, USA



CVDE's Value Proposition:

- 40+ Years Providing Equipment & Process Solutions to blue chip leaders, innovative startups & leading research institutes
- Decades of experience in Aerospace & Compound Semiconductor applications
- Launched six new products in 2024
- Vertically Integrated Manufacturing
- Robust customer engagement and global account management
- High Touch Customer Service

40+ YEARS IN PROCESS EQUIPMENT

NASDAQ: CVV

~120 Employees Worldwide

CVD Equipment Multiple Product Lines for Growth Markets

- We have served our growing customer base for over 40 years
- Focused on strategic markets that have significant growth potential
- Providing enabling and reliable equipment & solutions to our customers
- Developed multiple products in each marketplace
- Six new product launches in 2024
- Proven track record of customer engagement and satisfaction through on-time delivery and customer support



Aerospace & Defense



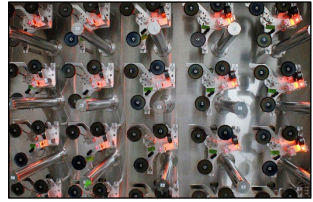
CVI3500™



CVI200™



SiBondCoat200™



FiberCoat7200™



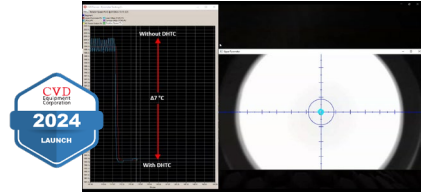
SiC High Power Electronics



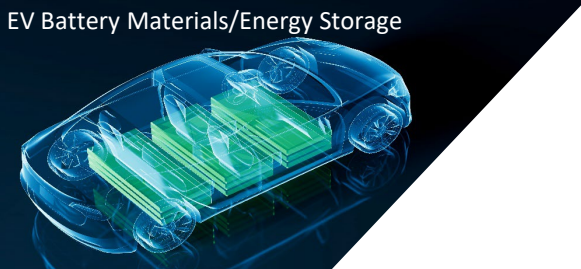
PVT200™



PVT150™



DHTC™



EV Battery Materials/Energy Storage



PowderCoat1104™



PowderCoat300™



CARBON+300™



Industrial Coating Equipment



CVD4000™



Corporate & Equipment Product Group



CVD Equipment Corporation
Corporate Headquarters and Parent Company Equipment Operations
Two Primary Operating Facilities
128,000 ft² Facility
Central Islip, New York 11722



**Production CVD
and Thermal
Process Equipment**

Central Islip, New York



**R&D and Pilot
CVD Process
Equipment**

Central Islip, New York

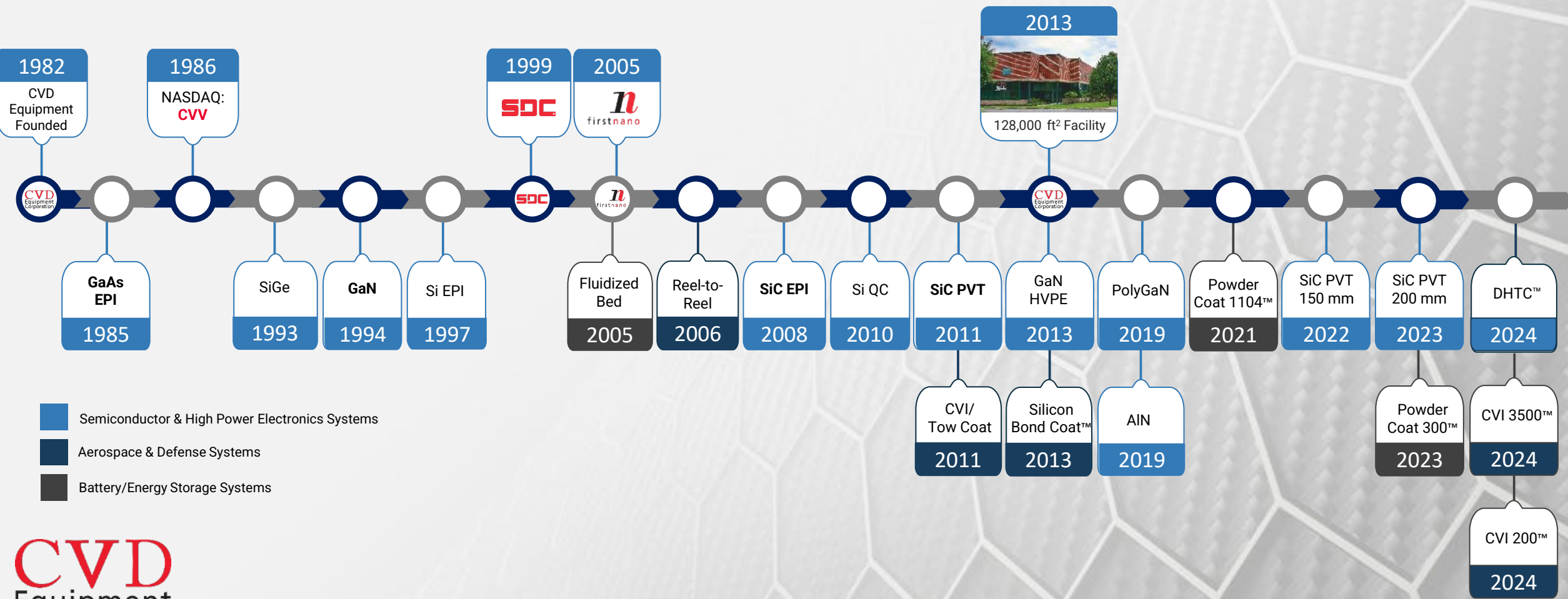


**Ultra High Purity
(UHP) Gas & Chemical
Delivery Systems**

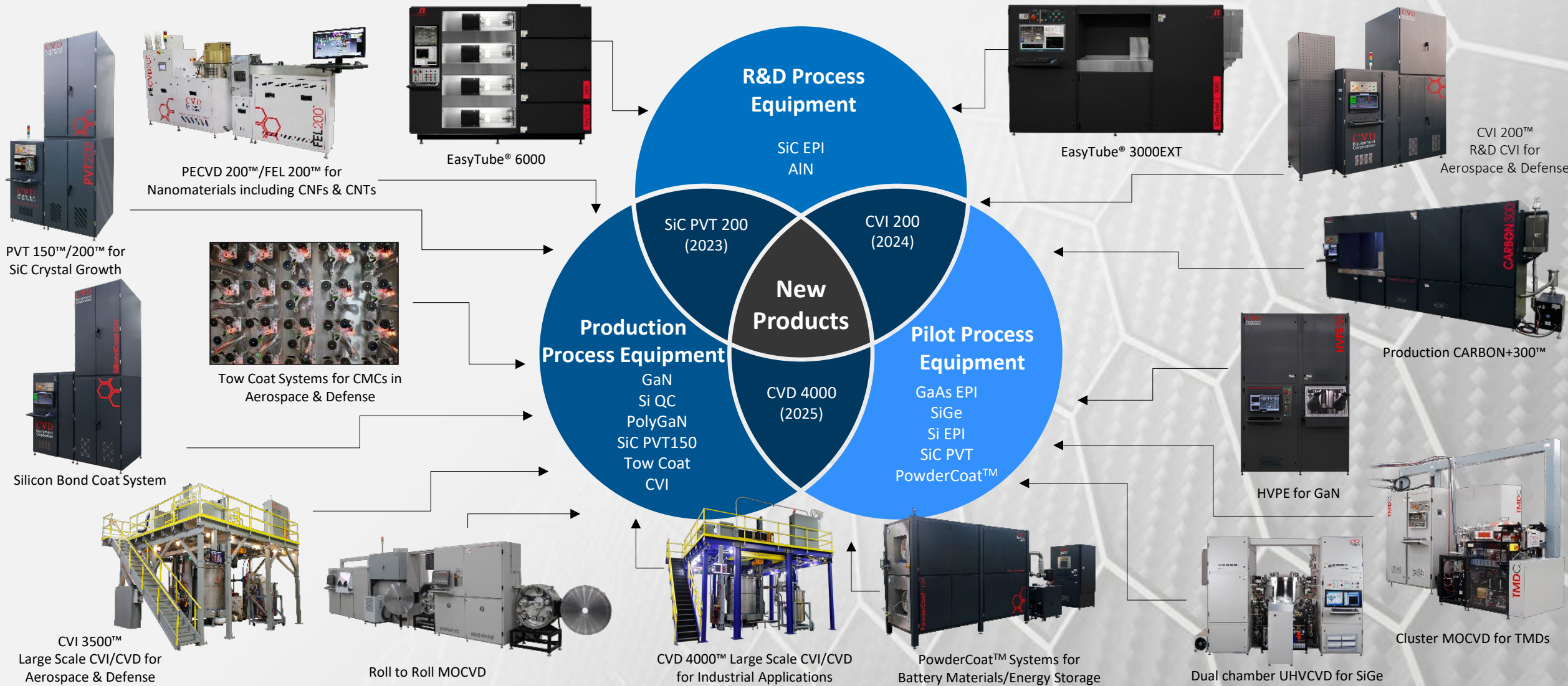
SDC® 24,000 ft² Facility,
Saugerties, NY



Innovating Enabling Technology For Over 40 Years

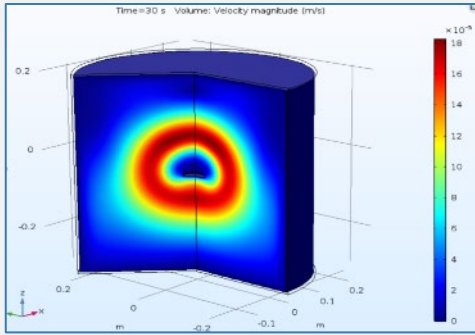


40 Years of State-of-the-Art Equipment

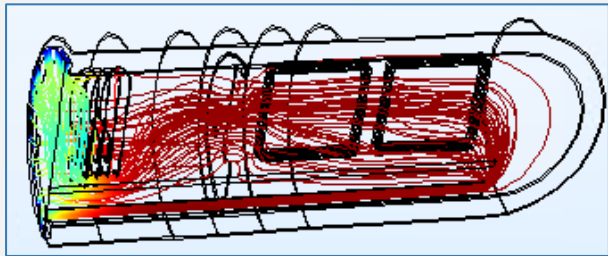
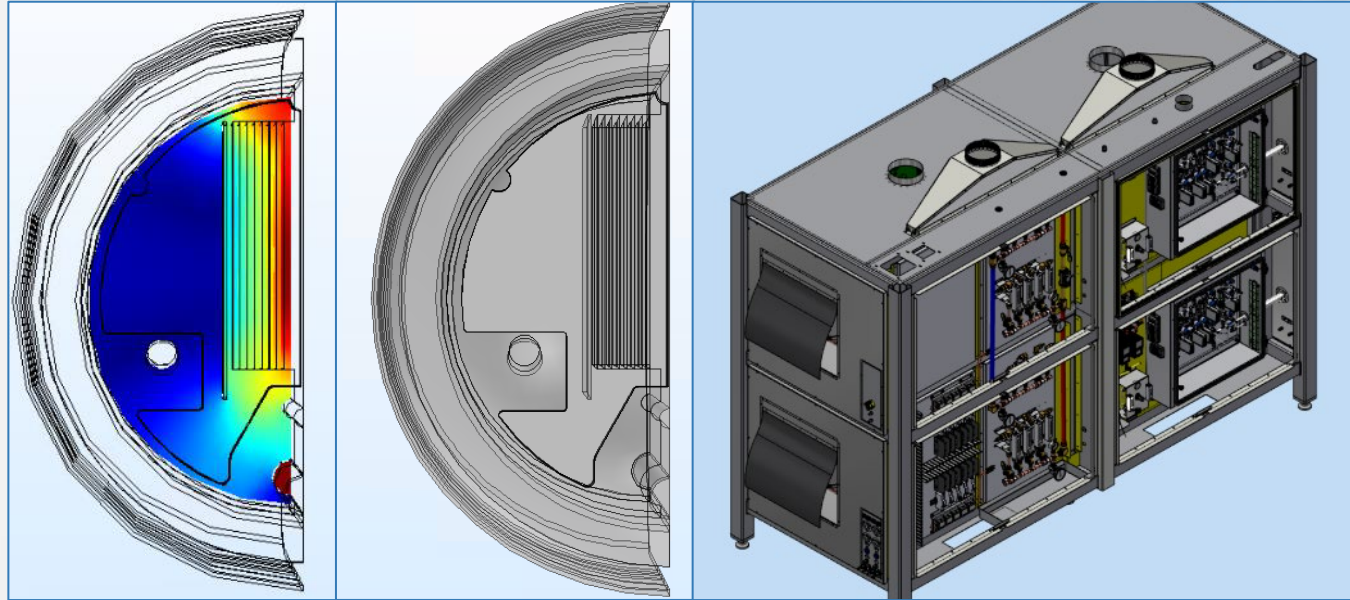


Advanced Modeling and Product Development Capabilities

Computational thermal and gas modeling enables simulation, aiding system development and optimization of complex materials processing equipment



Temperature Modeling



Gas Velocity Optimization

Computational Modeling

Comprehensive Component and System Design

Vertically-Integrated Manufacturing

- Leveraging over 40 years of CVD tool design know-how
- Reducing time-to-market



CVD
Equipment
Corporation

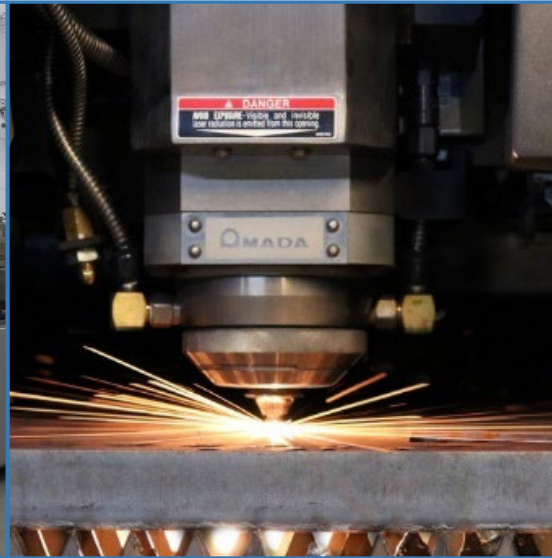
Vertically Integrated Manufacturing - Built in the USA



Applications Lab

New materials, coatings and processing techniques through CVD's Application Laboratory

Innovative carbon (CNT, graphene) products for energy storage, and sensing devices



Manufacturing

CVD has expanded its internal manufacturing capabilities in 2022 with new machining centers

Vertically-integrated, >95,000 ft² of total manufacturing space



Quartzware

Our quartzware manufacturing facility can produce prototype designs with rapid turnaround

Substrate paddles, wafer boats, process gas injectors, process tubes, quartz bubblers, bell jars, etc.



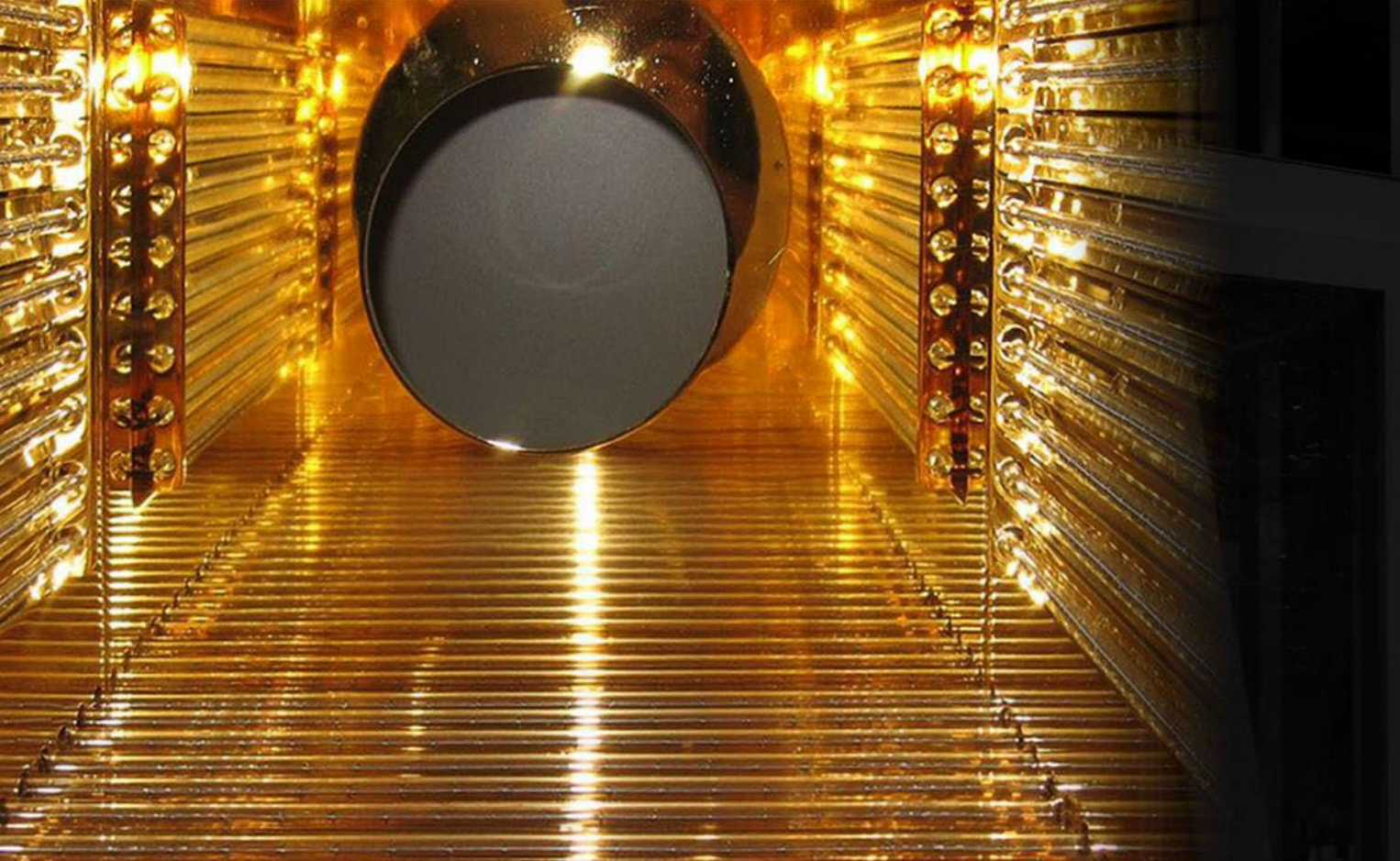
SDC[®] Gas Storage & Chemical Delivery Systems

Manufacturer of ultra-high purity gas and chemical delivery systems for the semiconductor industry as well as in microelectronics, nanomaterial production and aerospace markets



Vertical integration gives CVD a competitive advantage, reducing customer cost of ownership, ensuring certainty of lead times, and maintaining quality.





Infrared Heating Technology



Resistive Heating Technology

Market Overview

Growth, Strategic & Emerging Markets

Advanced and Energy Efficient Materials



Aerospace & Defense

Demand for **ceramic matrix composite materials (CMCs)** for use in gas turbine engines to enable greater fuel efficiency and in hypersonic systems requiring ultra-high temperature materials for survivability.



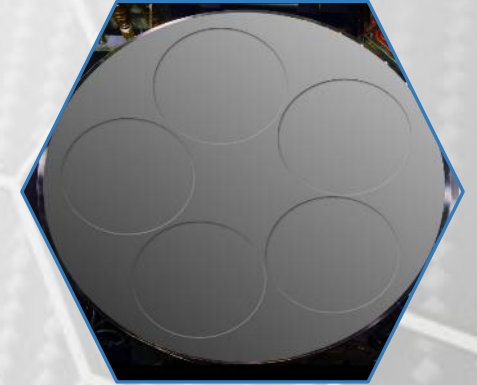
High Power Electronics

EVs driving the demand for **silicon carbide wafers** required for devices used for power distribution and charging. Higher power density and efficiency than silicon-based devices increases EV range and enables faster charging times.



EV Battery Materials

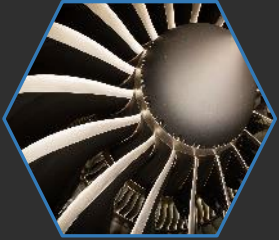
EVs driving the demand for **advanced battery materials**. Coating graphite anode powder with silicon increases energy density, enabling expanded driving range and faster charging times.



Industrial Coating Equipment

Demand for production **CVD Systems to coat large graphite components with SiC** to support semiconductor market enabling increased durability and lifespan of critical graphite parts used in semiconductor manufacturing processes.

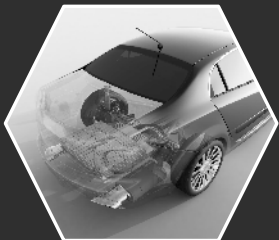
Key Markets



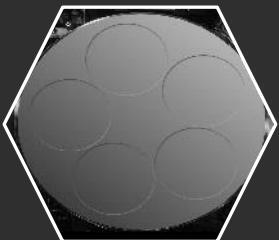
Aerospace & Defense



High Power Electronics



EV Battery Materials/Energy Storage



Industrial Coating Equipment

Aerospace & Defense Market Drivers

Demand for **Ceramic Matrix Composite Materials (CMCs)** in gas turbine engines to reduce weight and enable greater fuel efficiency

- Gas turbine engine OEMs are adopting CMC components within new engine platforms
- Published reports from established engine manufactures including CFM International (LEAP engine), GE Aerospace (GE9X), Rolls Royce (UltraFan), P&W, Safran, etc.^[1-5]
- CMC components reduce fuel consumption up to 2% as they are lighter weight and require less cooling compared to conventional nickel-based components^[1]

CVDE's Equipment Solutions

Expanding our product line to include:

1. Deposition/Infiltration of coatings onto CMC preforms and components
2. Deposition/Infiltration of Coatings onto SiC fibers

[1] https://ceramics.org/wp-content/uploads/2019/03/April-2019_Feature.pdf

[2] <https://www.rolls-royce.com/media/our-stories/discover/2019/pioneering-cmcs.aspx>

[3] <https://newsroom.prattwhitney.com/2021-07-13-Pratt-Whitney-Opens-New-Facility-Dedicated-to-Ceramic-Matrix-Composites>

[4] [Ceramic matrix composites take flight in LEAP jet engine | ORNL](https://ceramicmatrix.composites.com/news/ceramic-matrix-composites-take-flight-in-leap-jet-engine)

[5] https://www.dlr.de/wf/en/PortalData/23/Resources/dokumente/wf-kolloquium/Ceramic_Matrix_Composite_behavior_enhancement_urbines_Hot_Sections.pdf

[6] <https://www.marketsandmarkets.com/Market-Reports/ceramic-matrix-composites-market-60146548.html>



- Global CMC market was valued at \$12B in 2024 and estimated to grow to \$23.8B by 2031 at a CAGR of 10.3%^[6]

Principle Gas Turbine Engine Manufacturers



GE Aerospace

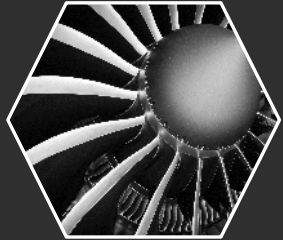


SAFRAN



Pratt & Whitney
An RTX Business

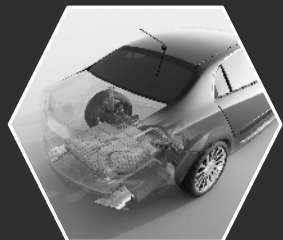
Key Markets



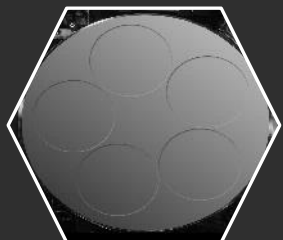
Aerospace & Defense



High Power Electronics



EV Battery Materials/Energy Storage



Industrial Coating Equipment

High Power Electronics Market Drivers

Electric vehicles (EVs) driving the demand for **Silicon Carbide Wafers** for High Power Electronics Applications

- SiC has a bandgap that is 3X that of silicon, a thermal conductivity that is also 3X higher and a breakdown field that is 10X greater^[1]
- Device manufacturers are now pursuing a 200 mm path to SiC wafer manufacturing
- Demand for Silicon Carbide Wafers to reach 7 million units annually by 2030^[2]
- Chinese SiC wafer manufacturers are flooding the market with 150 mm at cost (believed to be subsidized by the Chinese Government, reducing wafer pricing to \$375 ea.; Driving conversion to 200 mm wafers



- Silicon Carbide (SiC) power electronics provides higher power density and higher efficiency than silicon-based technologies, enabling faster charging times and expanded EV range
- Global SiC device market growing at 27% CAGR from \$4.2B in 2023 and projected to be \$22B in 2030^[2]

CVDE's Equipment Solutions

1. Physical Vapor Transport for SiC 150 mm & 200 mm Crystal Boule Growth
2. PVT150/200 Dynamic Hotzone Temperature Control™ for Yield Enhancement (2024)

^[1] Status of silicon carbide (SiC) as a wide-bandgap semiconductor for high-temperature applications: A review - ScienceDirect

^[2] SiC and Shovel Approach Silicon Carbide Supply/Demand Update William Blair Equity Research 2023

Established Players in the High Power Electronics and SiC Wafer Market

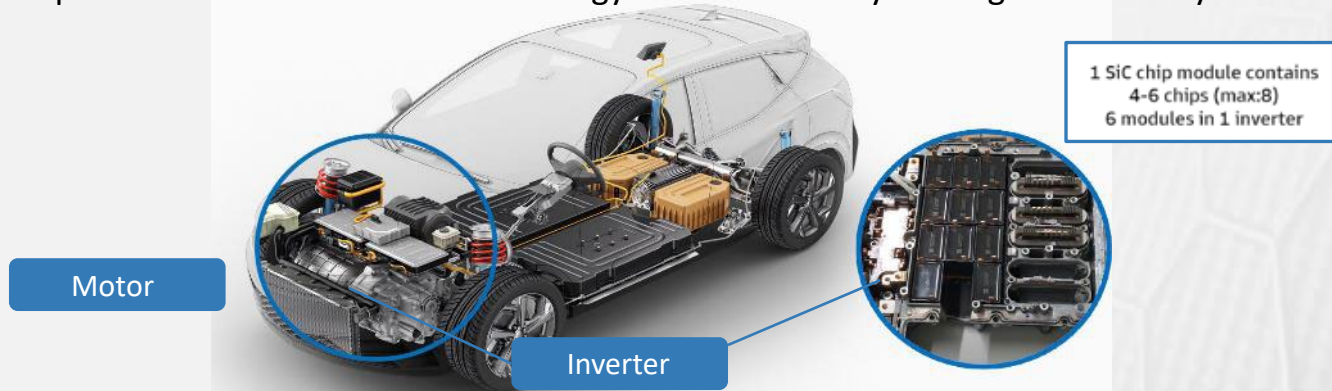


enabling tomorrow's technologies™

Adoption of SiC Devices in EVs

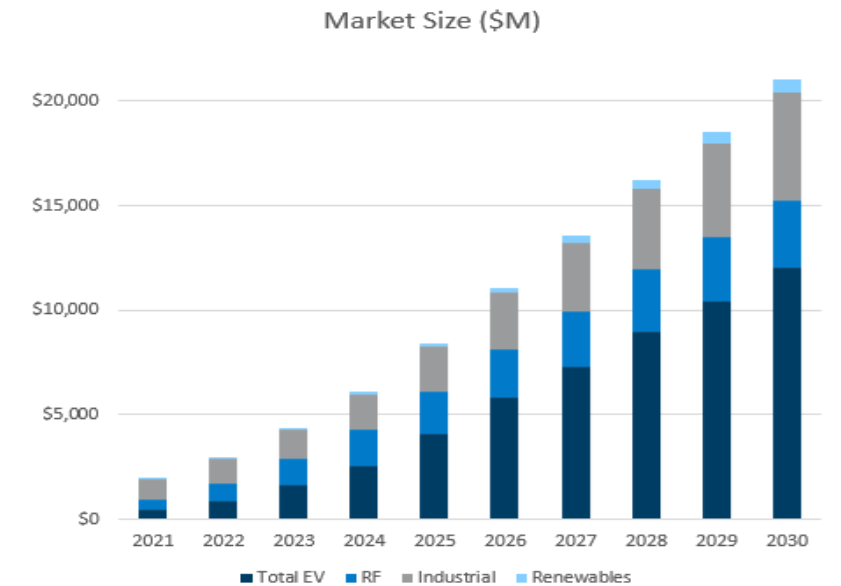
Market Driver:

- EVs play a key role, being the first mass-volume application to adopt SiC Traction Inverters
- Silicon MOSFETS and IGBTs are being replaced with smaller SiC devices that allow faster switching and can operate at higher temperatures and operating voltages^[1]
 - Inverters play a critical role in EV performance and driving range with power-efficient components that can extract more energy from the battery at a higher efficiency^[1]



- By 2028, EV inverter applications are expected to represent >75% of SiC device market^[2]
- Annual global sales of EVs could reach approximately 45 million by 2030^[3]
- SiC Power Electronics in EVs accelerating the demand for SiC material

Power SiC device market Forecast by segment



Global SiC device market for 2023 at \$4.2 billion, reaching \$22 billion by 2030 w/ CAGR of 27%^[4]

Electric Vehicle (EV) is the largest market segment

Increased demand for SiC devices and wafers will drive the need for Physical Vapor Transport (PVT) Systems

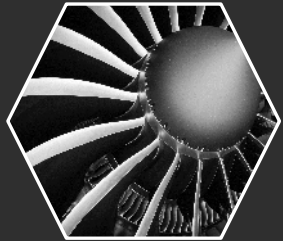
[1] <https://www.eetimes.com/why-sic-mosfets-are-replacing-si-igbts-in-ev-inverters/>

[2] SiC & GaN Update The Beat Goes On, Jeff Perkins, Yole Intelligence - PowerAmerica August, 2023

[3] Global EV Outlook 2023 – Analysis – IEA; Global EV Outlook 2023: Catching up with climate ambitions (windows.net)

[4] SiC and Shovel Approach Silicon Carbide Supply/Demand Update William Blair Equity Research 2023

Key Markets



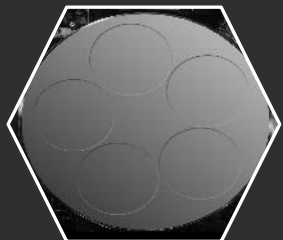
Aerospace & Defense



High Power Electronics



EV Battery Materials/Energy Storage



Industrial Coating Equipment

EV Battery Materials, Energy Storage Market Drivers

Demand for improved Charging and Power Distribution and Higher Performance Battery Materials for longer driving range at reduced cost

- Next-generation silicon anode battery material development is transforming from R&D to production
- Battery material manufacturers are developing carbon/silicon anodes either by mixing silicon or depositing silicon onto graphite powders to enhance the electrical performance of battery anodes^[1]
- Silicon has the capacity to store up to 10X more energy than conventional graphite alone^[1]



- Global EV battery projected market in 2023: \$64B ^[2]
- Battery market projected to be \$276B in 2030 with a CAGR of 23% ^[2]

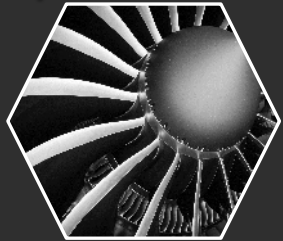
CVDE's Equipment Solutions

1. Deposition/Infiltration of coatings onto powders (silicon, carbon, metals, oxides, etc.)
2. Equipment Solutions for R&D and Higher Volume Manufacturing
3. Equipment for R&D and Production for growing CNTs onto substrates (foils, wafers etc.)

[1] <https://www.sciencedirect.com/science/article/pii/S2352492824006342>

[2] <https://www.precedenceresearch.com/electric-vehicle-battery-market>

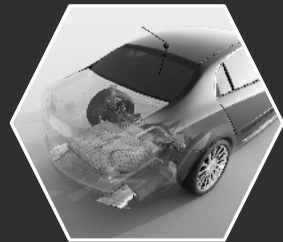
Key Markets



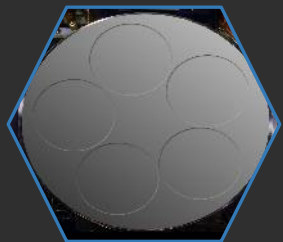
Aerospace & Defense



High Power Electronics



EV Battery Materials/Energy Storage



Industrial Coating Equipment

Industrial SiC Coating Equipment Market Drivers

The semiconductor industry is driving the demand for **Silicon Carbide (SiC) Coatings** onto graphite and carbon reinforced carbon components (e.g. wafer carriers and susceptors for PECVD, Si Epitaxy and MOCVD units)

- SiC Coatings provide oxidation protection, high abrasion resistance, corrosion resistance, erosion resistance and wear resistance^[1]
- Applications where high mechanical, chemical, and thermal properties are needed
- Coating extends the service life of graphite components and achieves the high-purity surface structures required in processing semiconductor materials^[1,2]

CVDE's Equipment Solutions

Chemical Vapor Deposition System for Silicon Carbide Coatings

^[1] <https://www.businessresearchinsights.com/market-reports/silicon-carbide-coating-market-104578>

^[2] <https://www.futuremarketinsights.com/reports/silicon-carbide-coating-market>

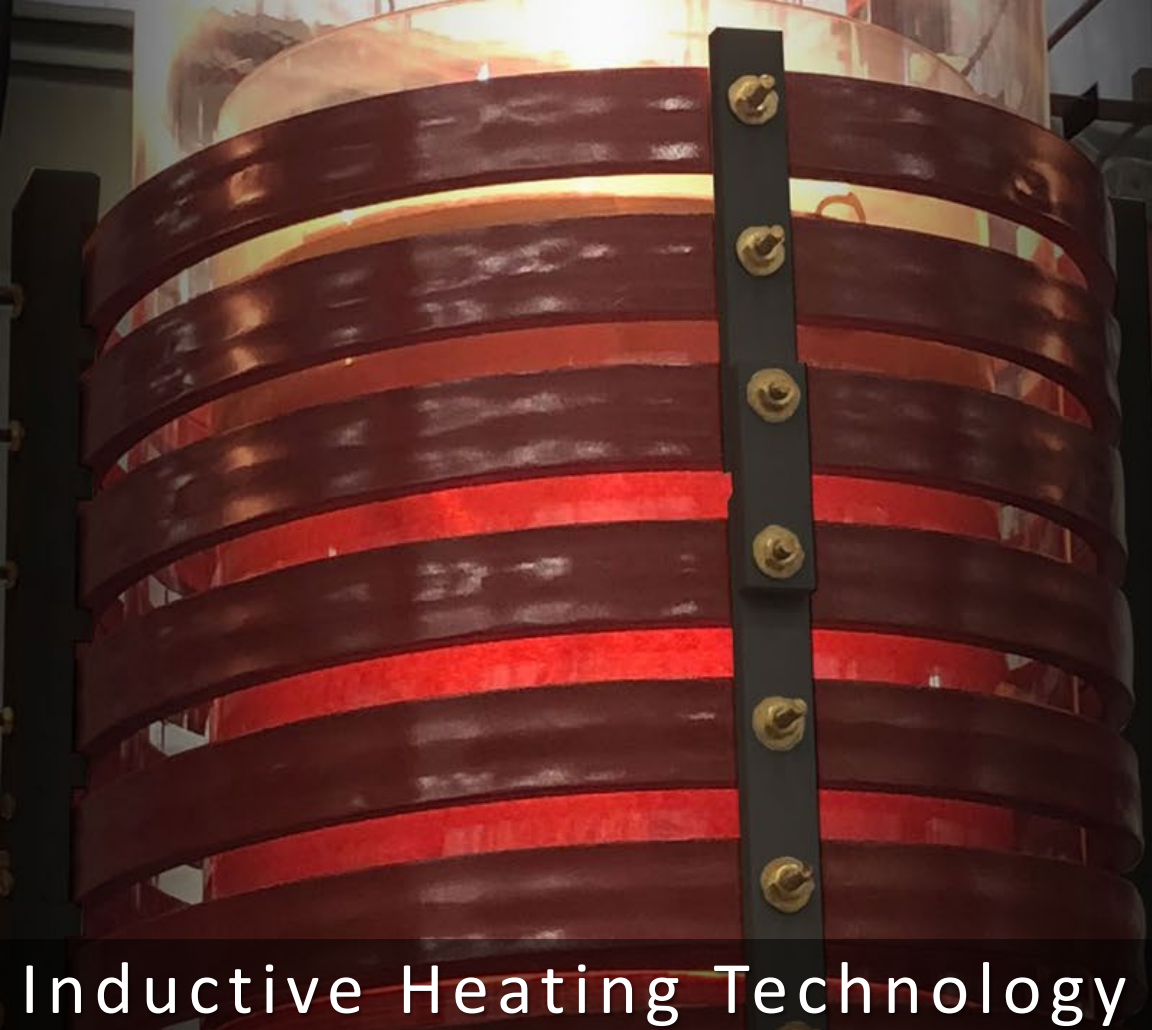
^[3] <https://www.sglcarbon.com/en/markets-solutions/markets/semiconductor/#>



- Silicon Carbide coatings protect graphite products from oxidation & degradation under aggressive processing conditions^[3]
- Global SiC Coating Market is growing at 21.5% CAGR from \$343.1M in 2022 and projected to reach \$1.9B in 2031^[1]

Established Players in the
Carbon/SiC Coating Market





Inductive Heating Technology



Tow Transport Technology

Products and Technologies

CVD/Infiltration Equipment for Aerospace & Defense

1. Systems to Coat CMC Engine Components



2nd Generation Silicon Bond Coat System

- Manufacture of Low Pressure CVD Tools to Coat CMC Engine Components with Silicon prior to deposition of Environmental Barrier Coating
- RF Induction Heating System
- Process Temperatures up to 1200 °C (Higher Temperatures Possible)
- Option for Multi-chamber deposition for increased throughput

2. Systems to Deposit/Infiltrate Ultra High Temperature Ceramics to Support Hypersonic Materials Development



R&D/Pilot Scale CVI System

- Deposition/infiltration of Ultra-high Temperature Ceramic Coatings (HfC, ZrB₂), SiC, BN, etc.
- Multi-zone Graphite Heating to 1600 °C with built-in pyrolyzer
- Internal Chlorinators
- 200 mm diameter graphite retort

Chemical Vapor Deposition/Infiltration Equipment for Aerospace and Defense

3. Large-Scale Systems to Infiltrate SiC Preforms



CVI 3500™

Production CVI System

- Low pressure CVD tools to coat/infiltrate CMC preforms with silicon nitride, boron nitride, silicon carbide, carbon, etc.
- Graphite resistive heating up to 500 kW power
- Process temperatures up to 1600 °C
- Precise Temperature Control ± 6 °C

4. Systems to Coat SiC Fiber used to Manufacture CMCs



Fiber Tow Handling and Coating Systems

- Fiber Tow Coat Systems: 1-tow, 10-tow, and 72-tow configurations
- In-line deposition of coatings onto SiC fiber
- Patented fiber handling transport systems with precise speed, tension control, and fuzz detection

SiBondCoat 200™

Benefits & Differentiating Features

- For applying Si layer to 3D surfaces
- Single Chamber Processing (Multi Chamber Option)
- Multiple gas injectors with independent flow control for thickness uniformity
- Capable of direct liquid injection, bubbler source injection, and vapor/gas delivery
- Vertical Quartz Process Chamber
- Temperature Control of +/- 1 °C
- Substrate Rotation up to 10 RPM
- Hazardous gas leak detection & alert system
- Optional Gas Delivery Cabinets
- Optional Liquid Abatement System
- Designed for ease of maintenance



Up to Three
Chamber
Processing



RF Induction
Heating Process
Temperature up
to 1500° C



Substrate Rotation
for Improved
Deposition
Uniformity



Multiple Gas
Injectors with
Independent Flow
Control



Low Pressure
Processing
from 1 to 500
Torr



SiBondCoat200™
Low Pressure Chemical Vapor Deposition System

CVI 200™

Benefits & Differentiating Features

- 3-Zone resistance furnace with independent zone temperature control
- Graphite retort & heating elements
- Stainless steel double wall, water cooled vacuum chamber
- Includes 2 internal chlorinators, optional 3rd
- Temperature uniformity +/- 10 °C
- Workpiece Rotation 1- 20 rpm
- Gas preheat & mixing zone
- Internal pyrolizer
- Heated exhaust line
- Cold trap for ammonium chloride byproduct
- Exhaust gas conditioning system with closed loop pH control and recirculation



Work Zone
up to 11" ID
and 10" H



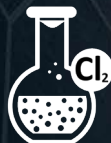
Thermal
Processing
Up to 1600 °C



3 Zone
Resistance
Furnace



Low Pressure
Control 5 to
500 Torr



Internal
Chlorinators



CVI 200™
Chemical Vapor Infiltration System

CVI 3500™

Benefits & Differentiating Features

- Five zone furnace with independent zone temperature control
- Temperature uniformity at $\pm 6^\circ\text{C}$ per AMS2750F compliance
- Graphite retort & heating elements
- Heating ramp rate $>10^\circ\text{C}$ per min
- Furnace cooldown in less than 12 hrs
- Stainless steel double wall, water cooled vacuum chamber
- Coaxial gas injection
- Preheat & mixing zone
- Internal pyrolizer
- Heated exhaust line
- Cold trap for ammonium chloride byproduct
- Gantry crane to assist in reactor component and part loading



Work Zone
up to 43" ID
& 75" H



Thermal
Processing
up to 1600°C



Low Pressure
Control 7 to
10 Torr



Five Zone
Temperature
Control



CVI 3500™
Chemical Vapor Infiltration (CVI) System

Fiber Handling System

Benefits & Differentiating Features

- Intelligent Spool/De-Spool System
- Variable Fiber Tow Tension Control
- Vacuum rated chambers for spooling and de-spooling
- Equipped with CVD Equipment's proprietary magnetically coupled drive system
- Differential pressure transducers for pressure monitoring
- Equipped with mass flow-controlled gas purge
- Door Interlocks and Alarms
- PC with CVDWinPrC™



Variable
Fiber Tow
Speed Range



Fiber Tow
Bi-directional
Transport



Patent Pending
Fuzz Detection



Fiber Handling System



PVT200™



Differentiating Features & Options

- Exceptional Process Parameter Controls for Steady State & Ramp Conditions
 - Pressure Control +/- 0.5%
- Standard & Custom Coil Designs
- Custom Quartzware
- Crucible Centering
- Low Pressure Option
- Compatible with Inert & Flammable Gases
- Dynamic Hotzone Temperature Control™ for Yield Enhancement (2024)
- MES Compatible
- Typical 6 Month Delivery ARO
- Vertically Integrated Manufacturing
 - Reducing Customer Cost of Ownership
 - Ensuring Certainty of Lead Times



SiC Crystal
Growth
200 mm Boules



Temperature
Control +/- 0.5 °C
up to 2500 °C



Run-to-Run
Repeatability



System-to-System
Matching



Compact
Footprint



Dynamic Hotzone
Temperature
Control™



PVT200™
Physical Vapor Transport System

NEW! Dynamic Hotzone Temperature Control (DHTC™)

Improved within Process Run, Run-to-Run & System-to-System Temperature Measurement Consistency for 200 mm & 150 mm SiC Physical Vapor Transport Systems

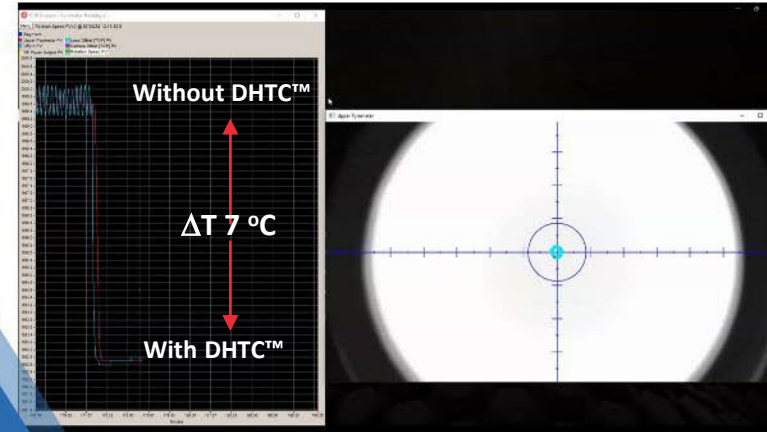
Benefits

- Yield Improvement for SiC Crystal Boule Growth by Optimizing Temperature Measurement & Control
- Minimizing Impact of Misalignment from Hotzone Degradation, Assembly, & Loading

Differentiating Features & Options

- Video Processing Software & Mechanical Hardware for Temperature Measurement Accuracy & Dynamic Temperature Measurement Position Tracking
- Automated Pyrometer Tracking & Alignment to Hotzone
- Offered as an Integration Option with CVDE's PVT200™
- An Integration Option Offered for Your Existing PVT System

Patent Pending



SiC Crystal Growth Yield Enhancement with DHTC Temperature Measurement & Control



DHTC™
For SiC Physical Vapor Transport Systems

Battery Applications

- 1. CNT Processing on Foils
- 2. Silicon on Powder



Carbon
Nanotubes
(CNTs) on Foil



Silicon on
Powder



PowderCoat 300™
Chemical Vapor Deposition System



PowderCoat 1104™
Chemical Vapor Deposition System

CARBON+300™

Benefits & Differentiating Features

- Production of CNTs on Foil & Rigid Substrates
- 350 mm Diameter Quartz Tube
- Custom Quartzware for easy loading/unloading
- Integrated Burn Box for Gas Abatement
- Flammable & Toxic Gas Sensors
- Powered by our CVDWinPrC™ Process Control Software
- Safety Controls



High Capacity
Throughput
(substrate area
1.3 m²)



Precise
Temperature
Control



Rolling
Furnace/ hot
load/unload



6-Zone
Resistance
Heating to
900 °C



Rapid
Cool-Down



Carbon+ 300™
Chemical Vapor Deposition System

PowderCoat 300™

Benefits & Differentiating Features

- Powder Coating for Deposition of Nanomaterials & Thin Films
- Customizable Process Tumbler
- Tumbler Volume up to 1.2 L
- Robust System with Enhanced Process Controls
 - Pressure Control +/- 1%
- Powder Particle Size Distribution: Sub-microns to Hundreds of Microns
- Coating Thickness: A few Nanometers to Tens of Microns
- Glove Box for Unloading Sample Under Inert Conditions



Powder Infiltration & Coating for R&D



Temperature Control +/- 5 °C up to 700 °C



Rotating Tumbler for Uniform Mixing (Speed up to 50 RPM)



3 Zone Resistance Furnace



Rapid Cool-Down



PowderCoat 300™
Chemical Vapor Deposition System

PowderCoat 1104™

Benefits & Differentiating Features

- Uniform Coating and Deposition of Nanomaterials & Thin Films
- Multi-Reactor Chambers for Parallel or Sequential Processing
- Inconel Chamber: Volume 250L
- Robust Production System with Enhanced Process Controls
 - Pressure Control +/- 1%
- Low Pressure CVD
- Powder Particle Size: Sub-micron to Hundreds of Microns
- Coating Thickness: A few Nanometers to Tens of Microns
- MES Compatible
- EGC 1510 HSF Gas Abatement System



High Volume Powder Infiltration & Coating



Temperature Control +/- 1 °C up to 700 °C



Rotating Tumbler for Uniform Mixing



5 Zone Resistance Furnace



Rapid Cool-Down



PowderCoat 1104™
Chemical Vapor Deposition System

SDC[®] Division of CVD Equipment Corporation

- Manufacturer of Ultra-High Purity (UHP) gas and chemical delivery systems for the semiconductor industry as well as high power electronics, microelectronics, nanomaterial production, and aerospace markets
- Globally recognized supplier, sustaining a leading market position
- Providing critical gas and chemical management systems to industry, R&D facilities, and academia for over four decades
- Supporting our customers with onsite and remote service, preventative maintenance contracts, spares and consumables



CIPHERCO N[™] 1500
Fully-Automated
Gas Cabinet



FlexGas[™]
Semi-Automated
Gas Cabinet

Exhaust Gas Conditioning Solutions

CVD Equipment manufactures exhaust gas conditioning systems for safe treatment of process effluent gases

- Liquid abatement and pyrolyzing scrubbers are available
- Automated handling of flammable, hazardous, corrosive and pyrophoric gases
- CVDE's EGC™ systems removes particles from the exhaust stream and reacts exhaust biproducts with water and oxygen
- Optional pH monitoring system can neutralize the scrubbing solution for liquid abatement systems and pyrolyzing scrubbers, chemistry dependent



Liquid
Abatement
Systems



EGC1510-HSF™ High Silane Flow
Pyrolyzing Wet Scrubber



EGC610™ Pyrolyzing
Wet Scrubber

High Touch Customer Service



Site Survey



Installation Coordination
and Field Acceptance
NRTL/UL/CE Certifications
Available



Initial Start-Up Support
On-Site Training



Continuous
Improvement
Programs



Warranty Response
& Remote Technical
Support



Customized Site Support
Contracts

- Spares and Consumables
- Preventative Maintenance
- Site Personnel Contracts



CVD Focus & Investment To Support The Market Growth Opportunity

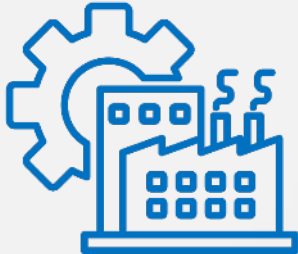
Five Point Initiative

1



Grow market share through increased investment in sales and marketing efforts in all targeted markets

2



Expand manufacturing capacity and capability within existing facilities

3



Diversify manufacturing by leveraging in-house capabilities and external supply chain

4



New product Innovation in all served markets

5



Applications Lab process development to accompany equipment

Seasoned Executive Team



Manny Lakios

President & Chief Executive Officer

- Appointed President and CEO of CVD since January 2021
- Previously President and CEO at Sensor Electronic Technology, COO Imago Scientific, President Process Equipment Veeco
- 40 years of experience serving the aerospace, semiconductor, data storage, UVLED and optical device industries and holds multiple patents in equipment technology



Richard Catalano

Executive Vice President & Chief Financial Officer

- CFO of CVD since August 2022
- Previously an audit partner at KPMG
- Served as leader of KPMG's Metro NY Healthcare and Life Sciences Practice and has over 35 years of experience as an audit professional



Max Shatalov

Vice President of Engineering & Technology

- Joined CVD as VP of Engineering and Technology in April 2018
- Previously VP of Technology at Sensor Electronic Technology Inc.
- Over 20 years of experience in semiconductor research and devices, currently holding 120+ US patents



Jeff Brogan

Vice President of Sales & Marketing

- VP of Sales & Marketing for CVD since March 2021
- Previously President & CEO of MesoScribe Technologies Corp.
- Over 25 years experience serving aerospace and defense industries, strategic sales & marketing, advanced research & technology development, currently holding multiple US patents



Warren Cheesman

Vice President of Manufacturing Operations

- VP of Manufacturing Ops at CVD since October 2022
- Previously VP of Engineering at iON Technology Solutions
- Over 25 years of management experience in the semiconductor, medical device and defense equipment sectors



Kevin Collins

Vice President & General Manager SDC® Division

- General Manager at SDC since October 1999
- Previously employed by Stainless Design Corp. as Manager of Field Operations and Product Development Advisor
- Mr. Collins attended Columbia University School of Engineering and Applied Science.

Key Markets



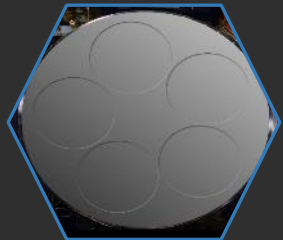
Aerospace & Defense



High Power Electronics



EV Battery Materials/Energy Storage



Industrial Coating Equipment

Our Future is Electric, the Future is



High Quality Components & Systems Built in the USA
 Manufacture Complete Turn-Key Systems



Vertically Integrated Manufacturing
 CVDE's competitive advantage, enables reducing cost, reducing lead times and improving quality



Manufacturing High Volume Capital Process & Peripheral Equipment
 Uniquely positioned to address the key markets we serve



CVD Equipment Corporation



40+ Years Providing Process Solutions
 Deep global manufacturing expertise and reliable, precise leading technology process equipment to electronics, aerospace and industrial markets

Global Install Base
 Over 1000 systems in the field, for the electronics, aerospace and battery materials markets



High Touch Customer Service
 Proven track record of customer engagement and satisfaction through on-time delivery and high touch customer support
 Service customers with demanding material performance requirements