



**POD**™  
PARYLENE ON DEMAND

# PARYLENE COATING

EQUIPMENT MODEL CATALOG



# BRING PARYLENE COATING IN-HOUSE.

Improve your bottom-line and gain a strategic advantage over your competitors with Parylene On Demand™ (POD™) coating equipment from VSi Parylene. Eliminate shipping, handling and other overhead costs by taking control of your parylene coating operations.

## Meet Customer Demand

Optimize coating production to meet customer demand with unmatched agility.

## Lower Total Costs

Avoid external service markups and shipping expenses to get parylene at cost.

## Reduce Product Risk

Maintain complete control over sensitive parts to help protect IP and trade secrets.





# IN-HOUSE COATING IN THREE SIMPLE STEPS.

Accessing the benefits of in-house parylene coatings has never been easier. VSi Parylene's team of experts handle the entire implementation process, from equipment design and on-site installation to staff training and optional ongoing process support.

1

## On-Site Installation

VSi's team of experts will install your new POD™ equipment at your facility and optimize for your specific production needs.

2

## On-Site Training

During the on-site installation process, VSi experts will train your staff on how to safely and effectively use your new POD™ equipment.

3

## Ongoing Process Support

Develop an effective in-house parylene coating process in less time with parylene process support from VSi Parylene.

# PARYLENE EQUIPMENT FOR EVERY BUDGET.

POD™ provides a range of parylene coating systems aimed at simplifying access to the advantages of in-house parylene coating for businesses of all sizes. Each system is meticulously engineered for reliability, user-friendliness and minimal maintenance requirements.



**Reliable**

Recipe-based automation ensures reproducible coatings with minimal defects to meet stringent quality standards.

**Easy To Use**

User-friendly interface eliminates guesswork helping operators focus on coating and boosting productivity.

**Low Maintenance**

Robust components and efficient design increase overall equipment effectiveness (OEE) by reducing downtime and repairs.

**ACCESS**

**FACTORY**

**FACTORY XL**

**LOW VOLUME**

**HIGH VOLUME**



<b>Ideal For</b>	<b>R&amp;D and high volume production of small components</b>
<b>Chamber Size</b>	<b>15" Diameter X 12" High [~35 Liters]</b>
<b>Footprint</b>	<b>6 ft x 3 ft</b>
<b>Electrical Requirements</b>	<b>240V, 18A, 60Hz, 1 Phase</b>
<b>Software</b>	<b>Industrial Grade PLC Custom Recipes Auto Pressure Control Algorithm Maintenance Tracking</b>
<b>Mechanical Chiller</b>	<b>Yes</b>
<b>Air Cooled Vaporizer <i>for quick turnaround</i></b>	<b>Yes</b>
<b>EZ Fixture Crane</b>	<b>No</b>
<b>Process Protection Valve</b>	<b>No</b>





<b>Ideal For</b>	High volume production of small, medium and large sized components
<b>Chamber Size</b>	24" Diameter X 28" High [~208 Liters]
<b>Footprint</b>	12 ft x 4 ft
<b>Electrical Requirements</b>	208/400/480V, 48/25/21A, 50/60Hz, 3 Phase
<b>Software</b>	Industrial Grade PLC Custom Recipes Auto Pressure Control Algorithm Maintenance Tracking User Levels Customizable Software
<b>Mechanical Chiller</b>	Yes
<b>Air Cooled Vaporizer <i>for quick turnaround</i></b>	Yes
<b>EZ Fixture Crane</b>	Yes
<b>Process Protection Valve</b>	Yes





Ideal For	Ultra-high volume production of small, medium, and large components
Chamber Size	32" Diameter X 39" High [~580 Liters]
Footprint	13 ft x 4 ft
Electrical Requirements	208/400/480V, 48/25/21A, 50/60Hz, 3 Phase
Software	Industrial Grade PLC Custom Recipes Auto Pressure Control Algorithm Maintenance Tracking User Levels Customizable Software
Mechanical Chiller	Yes
Air Cooled Vaporizer <i>for quick turnaround</i>	Yes
EZ Fixture Crane	Yes
Process Protection Valve	Yes



# PARYLENE EQUIPMENT THAT FITS.

POD™ offers parylene coating equipment designed to handle a wide range of part sizes and batch sizes, meeting the specific needs of each business. Whether you require a compact and cost-effective system for smaller parts and low-volume production or a larger system for high-throughput applications, POD™ has the perfect equipment to meet your demands without compromising on quality or exceeding your budget.

## Benefits of POD™ Parylene Coating Equipment Line:

**Scalability:** Adapts to accommodate evolving production needs.

**Cost-Effectiveness:** Offers affordable options for smaller budgets.

**High-Quality Results:** Delivers exceptional coating performance regardless of system size.

**Flexibility:** Handles various part sizes and batch sizes.

**Space Optimization:** Compact systems minimize workspace requirements.



	POD ACCESS	POD FACTORY	POD FACTORY XL
<b>Ideal for</b>	R&D and high volume production of small components	High volume production of small, medium and large sized components	Ultra-high volume production of small, medium, and large components
<b>Chamber Size</b>	15" Diameter X 12" High [~35 Liters]	24" Diameter X 28" High [~208 Liters]	32" Diameter X 39" High [~580 Liters]
<b>Footprint</b>	6 ft x 3 ft	12 ft x 4 ft	13 ft x 4 ft
<b>Electrical Requirements</b>	240V, 18A, 60Hz, 1 Phase	208/400/480V, 48/25/21A, 50/60Hz, 3 Phase	208/400/480V, 48/25/21A, 50/60Hz, 3 Phase
<b>Software</b>	Industrial Grade PLC Custom Recipes Auto Pressure Control Algorithm Maintenance Tracking	Industrial Grade PLC Custom Recipes Auto Pressure Control Algorithm Maintenance Tracking User Levels Customizable Software	Industrial Grade PLC Custom Recipes Auto Pressure Control Algorithm Maintenance Tracking User Levels Customizable Software
<b>Mechanical Chiller</b>	Yes	Yes	Yes
<b>Air Cooled Vaporizer for quick turnaround</b>	Yes	Yes	Yes
<b>EZ Fixture Crane</b>	No	Yes	Yes
<b>Process Protection Valve</b>	No	Yes	Yes





**POD**<sup>TM</sup>  
PARYLENE ON DEMAND

	SUBSCRIPTION	PURCHASE + SUPPORT	TRADITIONAL PURCHASE
Flexible Term Length	✓	—	—
Support Plan Included	✓	✓	—
Monthly Payment	\$\$	\$	—
Upfront Cost	—	✓	✓

# ACCESSIBLE PARYLENE COATING EQUIPMENT.

VSi Parylene offers flexible options for companies of all sizes to access parylene coating technology in a way that aligns with their specific goals, budgets and market dynamics. Whether you require the flexibility of a short-term subscription or the long-term stability of purchasing a system with ongoing support, POD<sup>TM</sup> has the perfect solution to unlock the full potential of parylene coating for your business.

## Subscription

- No upfront equipment cost
- Predictable monthly payments
- Equipment scalability for changing needs

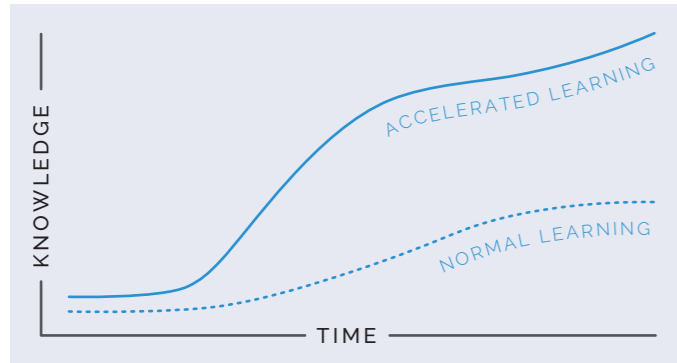
## Purchase + Support

- Long-term cost and time savings
- Predictable monthly support payment
- Potential capital equipment ownership benefits

## Traditional Purchase

- Long-term cost savings
- Ability to customize equipment
- Potential capital equipment ownership benefits

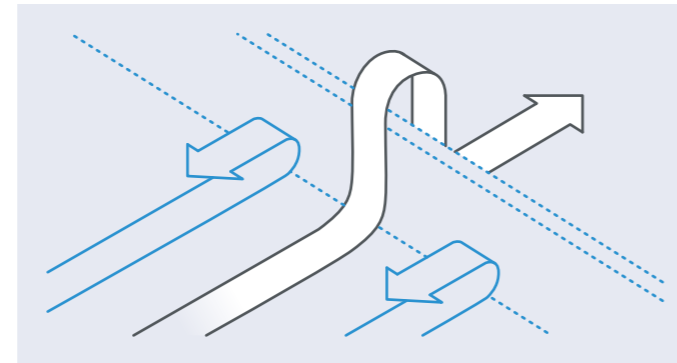
# EXPERT PARYLENE PROCESS SUPPORT.



## Accelerate Learning

**Fast-track process development with accelerated learning.**

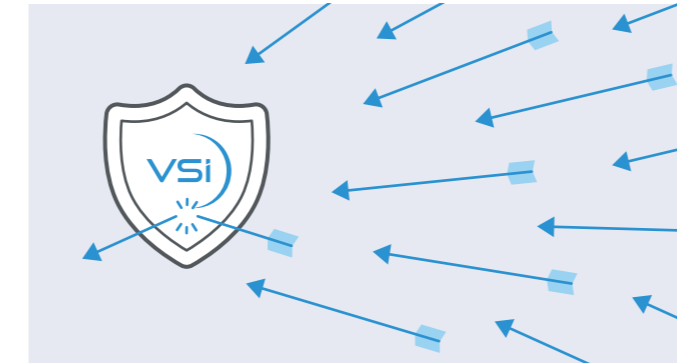
VSi Parylene process support helps businesses reduce the total time and resources required to develop an effective in-house parylene coating process. By accelerating learning, businesses are able to develop their custom coating process more quickly and with less trial-and-error. This is especially beneficial for businesses new to the parylene coating process.



## Maximize Efficiency

**Avoid setbacks and save costs by partnering with experts.**

For many businesses, establishing a reliable and efficient parylene coating operation can often be a daunting challenge. Mistakes made during the coating development process can often result in costly delays or even failure to meet production goals. VSi Parylene provides ongoing process guidance and support from the outset to help businesses optimize their production process from the beginning.



## Reduce Process Risk

**Ensure success with less risk for your coating production.**

By working with VSi Parylene, businesses can optimize their coating process, reduce the risk of failure, and ensure strict adherence to industry standards and regulations. VSi Parylene's skilled professionals are adept at identifying potential issues early on, troubleshooting efficiently, and sharing data-driven insights that lead to significant quality improvements.

How does it work?

- 1** Customer subscribes or purchases POD™ coating equipment with process and equipment support.
- 2** VSi helps customer develop and prototype a custom coating process via VSi Labs' Colorado facility.
- 3** VSi installs POD™ coating equipment at customer site and trains staff on how to use equipment and run the process.
- 4** VSi Labs team is available for help with continuous improvement projects or new processes.



### Equipment

Each POD™ equipment model is built for ease of use and maximum reliability.



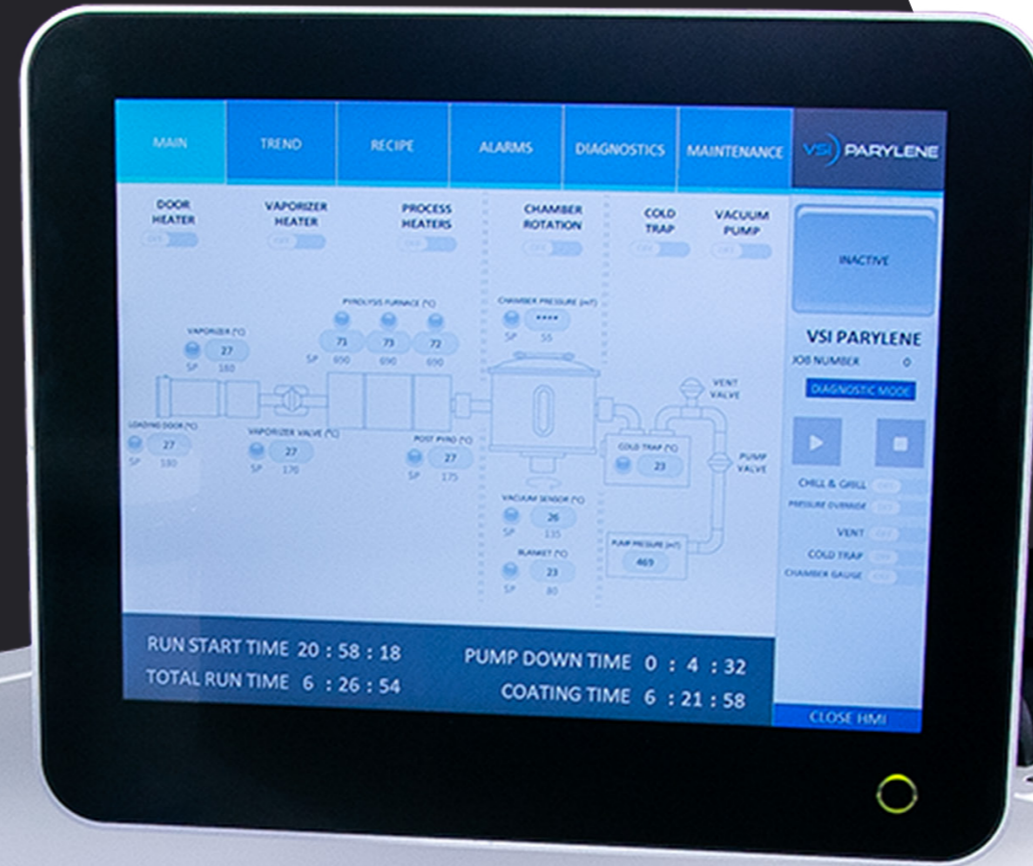
### Dimer

Produced with uncompromising purity and rigorously tested.



### Support

VSi offers a range of process and equipment support for all levels of production.



# A COMPLETE PARYLENE SOLUTION.

POD™ is more than just equipment; it is a complete parylene solution that encompasses every facet essential for achieving successful parylene coating production.



# DISCOVER THE BENEFITS OF IN-HOUSE PARYLENE COATING.

## Request a Free Economic Analysis

To get started, visit [vsiparylene.com/parylene-coating-equipment](https://vsiparylene.com/parylene-coating-equipment) to request your custom economic analysis and find out if in-house parylene is the right fit for your production.

A product of  PARYLENE

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