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*Business units of Curtiss-Wright Surface Technologies*



***Leaders in Surface Engineering  
for Critical Components***



## ◆ PARYLENE COATING SERVICES

**PARYLENE COATING SERVICES OFFERS SIMPLE AND ECONOMICAL SOLUTIONS FOR ALL YOUR PARYLENE COATING REQUIREMENTS.**

### Conformal Coatings for:

- Aerospace
- Electronics
- Automotive
- Medical
- Industrial / Commercial

### Specialists in Parylene polymer coatings

Parylene Coating Services, Inc. specializes in the application of Parylene polymer coatings. Parylene is transparent, completely conformal and deposited at room temperature directly on the surface, eliminating stress to the part being coated. It is highly hydrophobic, unaffected by solvents, possesses excellent electrical properties and is an ideal environmental barrier.

### Who we are

Parylene Coating Services, Inc., a business unit of Curtiss-Wright Surface Technologies, has been a leader in providing outsourced Parylene conformal coating since 1991. From our base in Katy, Texas we have used our proprietary Dimer, prompt turn around time and tightly controlled process to demonstrate "Service" is part of our name. In March of 2011 we expanded our capability by opening a state of the art coating facility in Galway, Ireland. Our Galway facility is dedicated to the application of precision Parylene coatings using advanced equipment and processing technology as developed by Parylene Coating Services in Katy, TX.



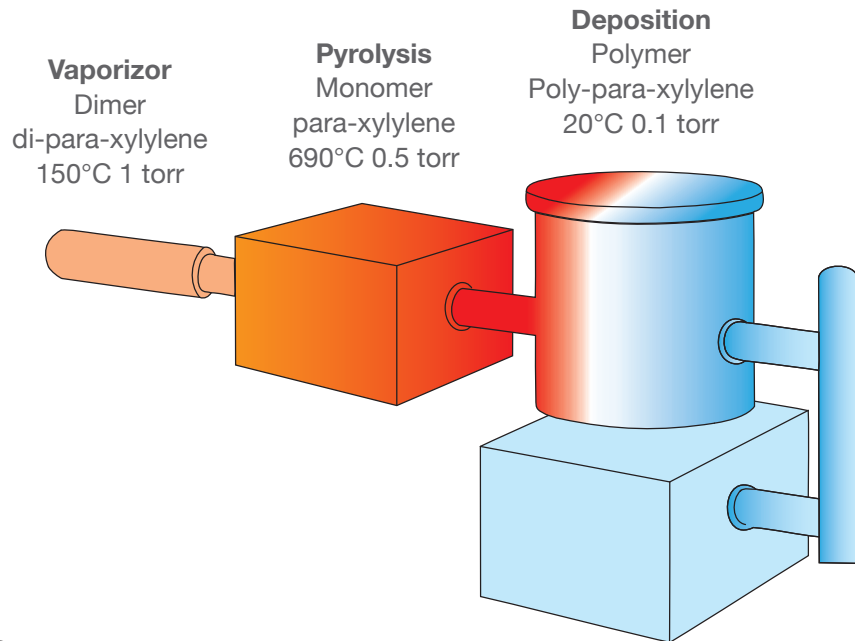
## About our vapor deposition process

Parylene's vapor deposition process leaves a pinhole-free, perfectly conformal, biologically compatible protective coating. It provides an ideal coating for many applications including:

- Electronic Devices
- Medical Applications
- Elastomeric Parts
- Electromechanical Devices

## How CWST Parylene is better

One of the unique attributes that puts Curtiss-Wright Surface Technologies ahead of our competition is our proprietary Dimer. PCS Dimer, "The purest name in Dimer," enables faster, more efficient processing. Coating thickness and uniformity are dictated by the amount and purity of the Dimer used. Our proprietary Dimer has the lowest possible levels of contaminants which facilitates the truest possible deposition.



## Our process

**Uniform Coating** — Thickness tolerances are typically held to +/- 20% from nominal. Tolerances as tight as +/- 5% are possible when necessary.

**Stability** — Parylene is inert and insoluble in most solvent systems within its useful range of temperature. Parylene C and Parylene N may be used up to 125°C continuously in the presence of oxygen.

## Low Stress Process

— Polymerization of Parylene takes place at room temperature. Any object which can be exposed to medium vacuum can be parylene coated.

**Optical Clarity** — Parylene is optically clear and can be applied over devices such as LED's with no effect on functionality.