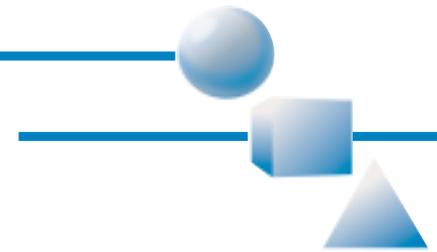


Parylene Deposition Systems LAB TOP®



The LAB TOP® parylene deposition system was designed to complement our patented high capacity and high efficiency modular line of parylene vapors deposition equipment.

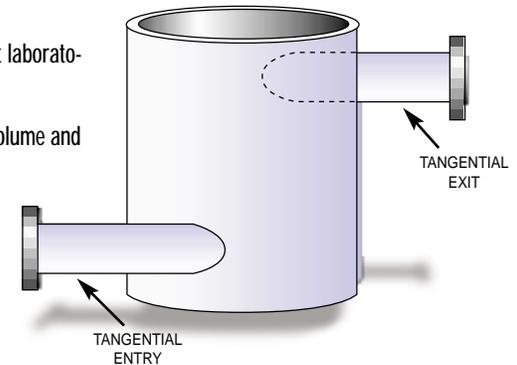
Its size allows "bench top" use when space is at a premium and its in-built handles allow the unit to be readily transported to alternate locations as desired.

The unit is specifically designed for processing small substrates or modules. Alternatively, small quantities of larger parts can be accommodated in its standard 8" x 9" stainless steel chamber.

Its capacity and portability makes the unit particularly attractive to research and development laboratories, manufacturers of micro-miniature components, sensors, and hybrids.

The absence of baffles turns it into a high efficiency system; maximizing the usable chamber volume and minimizing the load of raw material. In general its deposition efficiency is at least 25% greater than competitive equipment.

Tangential entry and exiting of Parylene vapors combine with the design of the substrate fixture produce extremely low coating thickness gradients and high quality films with exceptional uniformity. The deposited film has an extremely low dimer content, hence the films have exceptional clarity normally required by manufacturers of high frequency components to minimize frequency shifts, will appreciate this capability.



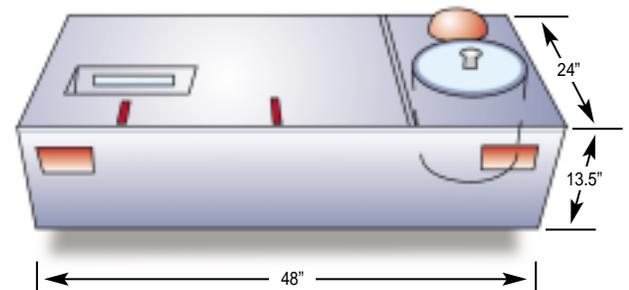
The unit is fitted with a microprocessor that allows easy reconfiguration of process parameters, which can also be used with a P.C. through a standard RS-232 port. This option feature allows differentiating process parameters to be stored for analysis.

The design provides high reliability through the use of quality components and careful workmanship. All process parts are fabricated from Electro-polished stainless steel. A high grade vacuum pump and after filter permits its use in a clean room or laboratory without the need for external exhausting.

The necessary maintenance is minimal and its design incorporates a hinged cover, which can be held in the open position as well as an easily removable side panels. The cover and panels provide complete access to all components, in the event service is required. The Pyrolysis furnace is of a patented split design that allows complete removal of the Pyrolysis tube in minutes.

SYSTEMS DIMENSIONS: Model 3000.

Overall Size:		
Length	48"	1219 mm
Width	24"	586 mm
Height	13 1/2"	343 mm
Deposition Chamber:		
Diameter	8"	195 mm
Height	9"	228 mm
Substrate Fixture:		
Diameter	7"	177 mm
Height	7"	178 mm



WEIGHT: 240 Lbs. (109 Kg)

POWER REQUIREMENTS: 115 or 230 volts. 20 A, (other configurations available)