

SPI Supplies Vacu Prep II™



Turbo pump high vacuum evaporator for your high vacuum coating needs, from carbon evaporation to metalized coatings.
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From the solid-state electronics for precise control and reproducibility to the convenient, easy to use touch screen interface, the Vacu Prep II is designed to be an easy to use instrument. The self-contained turbo molecular pump is capable of quickly reaching vacuum levels of 10⁻⁷ torr, while the large baseplate with multiple feed throughs accommodates a variety of fixtures to handle almost any application.

Typical Applications:

- Electron microscopy sample preparation
- High-vacuum carbon coating for TEM and X-Ray analysis
- Resistance evaporation of metallic compounds
- Carbon support films
- Carbon / platinum replicas
- Aperture cleaning
- Asbestos analysis
- Failure analysis

System Specifications:

- 65 liter/min turbo molecular pump
- Interactive touch screen control pad
- Pneumatically actuated vacuum valves
- Size: 31" W × 28" D × 30" H
(79 cm W × 72 cm D × 77 cm H)
- Weight: 250 lbs (114 Kg)
- Ultimate vacuum: 10⁻⁷ torr range

System Includes:

- 12" × 12" (31 cm × 31 cm) bell jar assembly, with lift guide
- Evaporation power supply, with shutter
- Carbon rod evaporation assembly
- Carbon fiber / metallic compound evaporation assembly
- Adjustable rotating / tilting stage
- Liquid nitrogen trap, with filling funnel
- Stainless steel base plate

Site Requirements:

- Compressed air (for valving system): 80 psig
- Compressed nitrogen (optional for venting): 5–10 psig
- Liquid nitrogen (optional for liquid nitrogen trap)
- Electrical Power: 110 V or 230 V, 50/60 Hz
- Mechanical pump to back the turbo pump.



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