



The Leica EM CPD300 is a fully automated critical point dryer designed for porous structure drying. It uses liquid carbon dioxide to dry samples without damaging their delicate structures.

The critical point drying process is particularly useful for preparing delicate or sensitive samples, such as biological tissues or porous polymers, for electron microscopy analysis, as it preserves the structure and morphology of the sample, without causing any damage or distortion.

#### Specifications:

- Measuring Method: Critical Point Drying
- Sample Chamber Size: 30mm diameter x 40mm height
- Critical Point: 31°C, 73 bar
- Overall Dimensions: 370mm x 420mm x 350mm (W x H x D)
- Weight: 29 kg
- Power Requirements: 100-240 V AC, 50/60 Hz, 300 VA
- Temperature Control: Peltier cooling/heating, accuracy  $\pm 1^{\circ}\text{C}$
- Pressure Range: 0-350 bar
- Carbon Dioxide Connection: 1/8 inch stainless steel tube
- Display: 4.3 inch color touch screen
- Control Software: Leica EM CPD300 Control Software
- Safety Features: Emergency stop button, overpressure and overtemperature protection, interlocks
- Accessories: Sample holders, desiccant cartridge, pressure vessels, carbon dioxide regulator.