

Wafer Test Cell

(For Research and Development Applications)

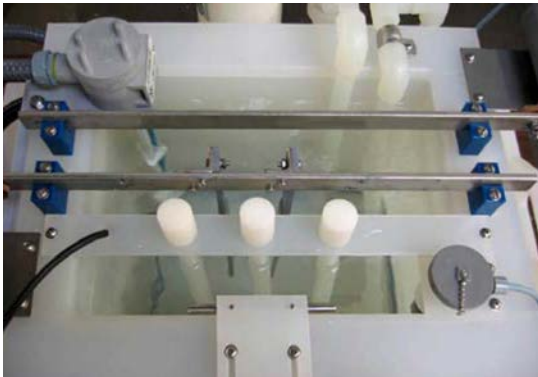


The Technic Wafer Test Cell provides a complete, portable environment for wafer plating. The unit is designed for laboratory research and small scale production for testing and sampling of plated wafers from 50mm up to 300mm.

(Larger test cell sizes available)

General Specifications

- Test cell is 14" x 10" x 14" deep and is constructed from ½" thick natural polypropylene with flange.
- The unit has one (1) anode rod as required for single side plating and one (1) cathode rod of ¼"x1" stainless steel with holders.
- The system has cathode rod knife-edge agitation, complete with variable speed motor, 0-16 RPM, motor mount, cam and connecting arm.
- The tank is heated by a 1,000 watt L-type derated heater (10 watts/sq. in.) with integral thermal overload protection, a digital readout temperature control ($\pm .25\%$) and a low solution level shut-off.
- The filter system provides continuous filtration with a separate agitation pump assembly, complete with natural polypropylene dispersion line with valve. The plating tank, filter pump, agitation pump, etc. is mounted on a common polypropylene base with integral safety tray approximately 22" x 34".
- The heater, pumps and agitation system are pre-wired to a chemical resistant NEMA 4X fiberglass enclosure with the necessary fuses and circuit breakers.
- Temperature control and necessary switches for the pumps and agitation system are mounted in a separate fiberglass enclosure.
- The rectifier (provided separately) plugs into the enclosure. Input voltage 110 V/1ph/60Hz.



Top View: Showing rod knife-edge agitation rods, spargers, low level shutoff and heater.



Shown: 300mm, 200mm & 100mm magnetic locking wafer holders sold separately.

**Anodes are readily available at current market price on the day of shipment.*

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