

HORIZONTAL TUBE and PARTS ETCHERS



Model #LPEEPE78500397

TUBE ETCHER EQUIPMENT OVERVIEW

This etcher is designed to perform acid etching and rinsing operations on pipes, quartz tubes, or other long parts. The etcher is constructed of stress-relieved white polypropylene and measures 154" x 40" x 72". It features a down-draft exhaust deck, a sloped sump area and a counter-weighted sash.

The two natural polypropylene tanks each measure 120" x 11.5" x 15.5". The rear tank is used for etching. Optional perforated parts baskets are constructed of 1/4" thick PVDF. An optional automated rolling system is available to turn the tubes in the solution.

This etcher features optional touch screen operation and a chemical recirculation system consisting of a Teflon diaphragm pump, a PFA filter housing, High-purity isolation valves, PFA plumbing, and High-purity distribution valves. Plumbing and electrical access is at the rear of the bench. Each rear access panel is interlocked, and will shut down the bench electrical and pneumatic functions if opened.

MANY COMPONENTS, SAFETY FEATURES AND OPTIONS ARE AVAILABLE, INCLUDING:

- S2-93a testing and certification
- LCD control interface
- Computer-based data acquisition
- PLC controlled operator interface panels
- Bench alarms with shutdown capability
- Alarm/minihelic reset panel
- Maintenance panel interlocks with tool secured fasteners
- Main power disconnect switch
- Ultrasonic, heated or recirculating baths
- Quick dump rinsers
- Liquid level sensors
- Chemical bulk fill capability
- Lockouts for incoming utilities
- Emergency Off Switch (EMO), front and rear
- Compressed dry air regulators for pump control
- Clear PVC or polycarbonate sash for operator protection



Model #LPSJC66190797

PARTS CLEANER EQUIPMENT OVERVIEW

This parts cleaner utilizes one basket to move parts between an etch tank and a rinse tank. The cabinet is constructed of stress-relieved white polypropylene with overall dimensions of 93" x 48" x 92". It features rear and tank perimeter exhaust, a lighted work area, and the optional pneumatically operated sash helps limit operator exposure and increases fume control.

The two tanks measure 38" x 38" x 17", and are natural polypropylene. The rinse tank has nitrogen agitation, and both tanks have DI water inlet valves.

The parts dipping basket moves vertically and horizontally by pneumatic operation. Operator interface panels display process status and allow user control. In the manual mode, the operator may manually control the basket's motion left and right, up and down. In the automatic mode, the operator selects the desired recipe by specifying etch and rinse times, and the pre-programmed processing sequence will begin.

SEMI S2 Product Testing and Certification Available

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