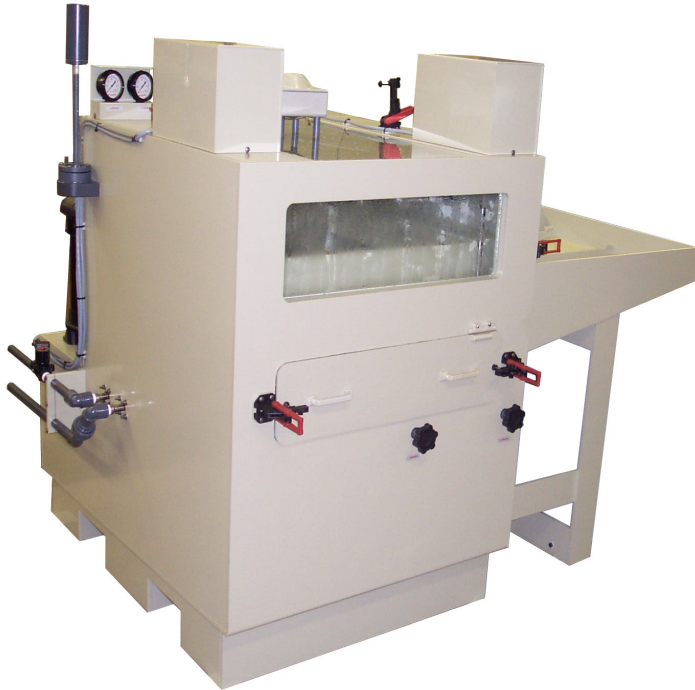


CHEMCUT



2800 Drawer Etcher

Products



FEATURES

- PVC construction prevents corrosion and permits use of all common etching solutions.
- Transparent windows allow the operator to view the work while in process.
- Dual opposed, oscillating spray banks and independent rack oscillation insure maximum uniformity.
- Sealless centrifugal etchant pump with totally enclosed motor for reliable operation.
- Operator adjustable timed etching cycle allows process corrections for over etching or under etching.
- Adjustable drawer rack accepts part sizes up to 21 x 21 inches (533mm x 533mm).

Chemical machining of thin metal parts, thick parts, three dimensional parts and small parts; chemical engraving of nameplates and instrument panels; and etching printed circuit boards may be done in any shop or lab with the Model 2800 Spray Etcher. An adjustable drawer rack allows the horizontal loading of single or multiple parts up to a maximum of 21 x 21 inches (533 x 533mm) at an operator convenient height. In addition to oscillating spray tubes, the rack independently oscillates from side to side to maximize etchant movement on the work.

The operation of the Model 2800 is simple and straight forward. Processing begins by loading the work into the drawer. Next, the draw is pushed into the machine and a timed or manual etching cycle is initiated. At the end of the etching cycle, the drawer is pulled out and the work pieces are manually rinsed. Finally, the operating sequence is completed by removing the work pieces from the drawer. The operating sequence can be repeated multiple times until the job lot is complete.

Temperature regulation of the etchant is controlled by a digital thermostat which operates two 4KW titanium heaters and a titanium cooling coil. An independent safety thermal interlock is included in the control system. PVC and titanium construction makes the Model 2800 compatible with most common etching solutions such as ferric chloride, copper chloride and ferric nitrate.

Model 2800



Typical Specifications

POWER REQUIREMENTS

Available Supply Voltages: 208-240, 380-415, 460 Volts AC, 50 or 60 Hz, 3 phase. Spray Pump 5 HP(3.7 kW)
Total approximate power required is 12.5 kW.
CE certification is available.
Please specify voltage when ordering.

ETCHANT TEMPERATURE CONTROL

Digital Thermostat controls 2 - 4kW Titanium Heaters and a titanium cooling coil

ETCHANT SUMP

Operating capacity approximately 55 gallons (208 liters)

ETCHANT FILTER

A lift-out basket filter is standard.
A pressure side in-line filter is optional.

SPRAY PRESSURE CONTROL

Individual pressure adjustment valves and gauges for top and bottom sprays.

ETCHANT TEMPERATURE OPERATING RANGE

Standard Version: 80° F to 130° F, 27°C to 54°C.
High Temperature Version: 80° F to 160° F, 27°C to 71°C

SAFETY DEVICES

Cover open switch, Drawer open switch, Motor overload sensor, High temperature switch, Emergency stop

OVERALL SIZE

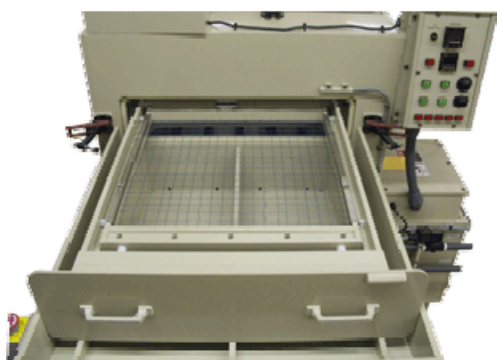
Depth: 80 inches (2032 mm), Width: 50 inches (1270 mm), Height: 58 inches (1475 mm). The wall mounted electric cabinet is 30 inches high x 25 inches wide x 13 inches deep (762 mm x 635 mm x 330 mm).

APPROXIMATE WEIGHT

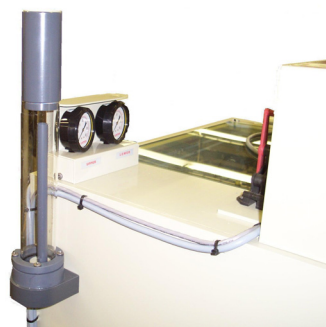
Dry sump = 655 pounds (297 kg), Crated for shipping = 900 pounds (408 kg).

AVAILABLE OPTIONS

Baume' Standpipe, In-line Filter, Small Parts Carrier, External Lamp, High Temperature CPVC Construction.



View of the 2800 showing the drawer pulled out to the loading position and the operator controls..



Top and bottom pressure gauges and the optional Baume' standpipe.