

JST's Quartz Tubewash Station allows etching and washing of quartz tubes and miscellaneous quartz components. The unit includes two baths which are identical except one unit comes equipped with a rotation system. This rotation system provides a uniform cleaning process while minimizing chemical usage by rotating the tubes during the cleaning cycle. The process is controlled by an industrial grade PLC with a touch screen user interface for starting and stopping the process and for setting parameters. Adjustable recipe parameters allow for further flexibility

The exhausted plenum area provides secondary containment as well as housing for the process baths, chemical reservoir and plumbing components. Process fumes are pulled down and around the baths into the plenum area and out through the facility exhaust. Electrical and pneumatic controls are located in a purged headcasing for safety and are readily accessible through the hinged front panel. Valves, filters and pumps are located behind the front access panels for easy service ability.

Load the quartz tube and start the cycle. The tube rotates while the filtered chemical is pumped into the tube. The cycle continues until the predetermined timer expires. The chemical is then filtered and drained into the reservoir for future use. DI water is sprayed on and in the tube and then the drain closes and DI water covers the tube and begins a cascade flow for a timed period. Once the cycle is complete, a dump door opens and rapidly drains the rinse water. DI water is again sprayed on the tubes for a final rinse. Once completed, hot nitrogen is sprayed to facilitate drying.



STANDARD FEATURES

- 114" Wide x 38" Deep by 75" High
- WPP or PVC-C FM4910 Approved Material
- Tongue & Groove Construction
- Triple Welded Plenum
- Etch/Rinse Bath with Tube Rotation
- DI Spray Rinse
- DI Water Quick Dump
- Nitrogen & DI Handsprays
- Filtered Recirculation System
- Chemical Reservoir
- Emergency Power Off
- Exhaust Failure Alarm
- 208V 20 Amp Load Center

Wet Processing and Precision Cleaning Technology