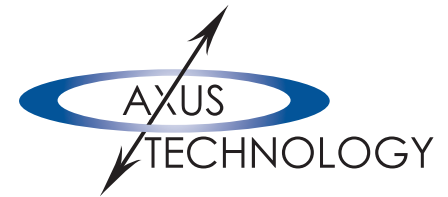


# Water Reduction and Waste Treatment System



Your source for leading-edge surface processing solutions



This filtration system is designed to filter particles down to 0.1 micron and recycle wastewater generated from wafer grinders or other particulate generating tools. The skid-mounted system offers a small footprint and is based on a "Plug and Play" design, saving time and providing ease of installation. The skid is shipped complete with dirty and clean side recycle tank, pumps, filters and a 2.0hp air cooled chiller unit. The system is pressure tested prior to shipment.

## Complete skid with the following standard components:

- Two compartment PP - 20" x 20" x 24" inch tank (size may vary per design)
- FSI X100X3 cartridge filter housings (total quantity 5)
- Dirty and clean side tank drains
- Tank water fill line with mechanical tank float valve
- Tank isolation valves for easy cleaning and repairs
- Pressure gauges in and out of filter housings and mix beds
- Isolation valves as needed
- Supply water flow meter (rotameter)
- Drain valves for each filter housing
- All piping CPVC SCH 80

## SYSTEM FEATURES

- Can support up to two wafer grinder units
- 5-Stage filtration
- Filtration from 0.1 micron
- Water temperature control
- 2.0hp (24,000 btu/hr) air cooled chiller unit
- Power: 3 phase 220 volts
- Space requirements: 36 inch(W) x 48 inch(L) x 72 inch(H)
- 2 Grundfos horizontal industrial application pumps
- Back pressure regulator to maintain minimum 40 psi supply pressure to grinder

## Optional Items

- Skid spill containment
- Leak detection to shut off pumps



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