



Value Engineered Process Systems

Service Support Specialties, Inc.

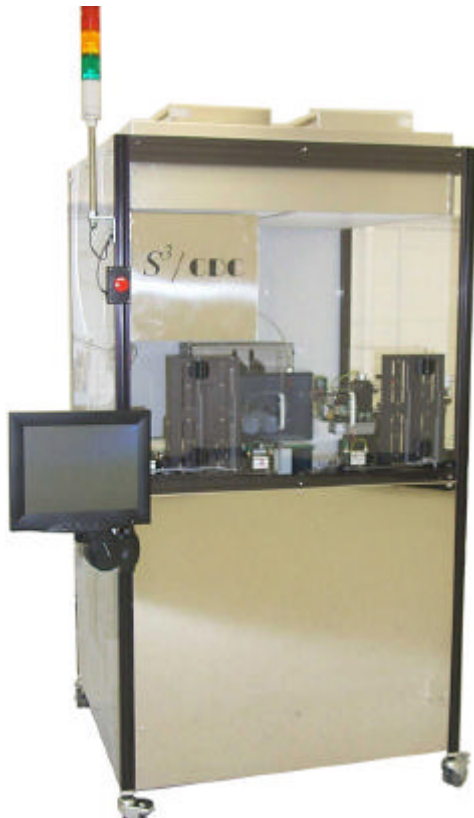
TruClean™ Double Sided Scrubbers

NOT ALL SCRUBBING REQUIREMENTS ARE THE SAME!

Round...rectangular...thick...thin...1 cassette...2 cassettes...single brush...double brush...small diameter...large diameter...wet input...dry input...varying space requirements...brush spray only...brush/high pressure...energetic rinses...chemical compatibility...

These are all reasons why *S*³ has developed the **TruClean™** double-sided scrubbing system, which can be customized to meet your particular substrate scrubbing needs.

The basic **TruClean™** system consists of one or more patented scrub modules, one or more cassette modules, one or more handling modules and typically one spin/rinse/dry module. The flexible architecture permits arrangement of the modules in a fashion limited only by your imagination. Megasonic energetic rinse options can be added to a wet input module or the post scrub rinse. All systems can be provided with complete containment and ULPA filtration. Substrate handling is accomplished via various robotic means with minimal substrate contact and no belts. Scrub *modules* can be provided with or without electronics to original equipment manufacturers for integration into other equipment.



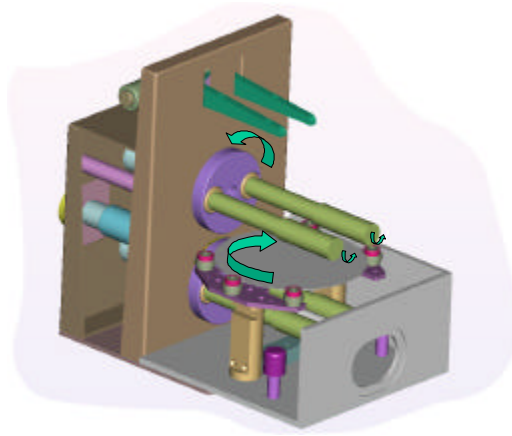
Typical Features of **TruClean™** Systems Include:

- Patented scrub module
- PVC sponge brushes, nylon brushes or any combination
- Programmable brush pressure and rotation speed
- Zero edge exclusion
- Handling on periphery only with NO BELTS
- Energetic spin/rinse/dry station
- Programmable process fluids
- PC based system with Graphical User Interface
- System meets requirements for CE Mark and SEMI S2-93

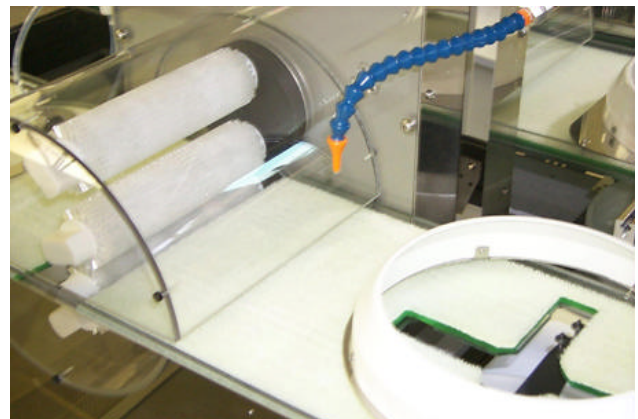
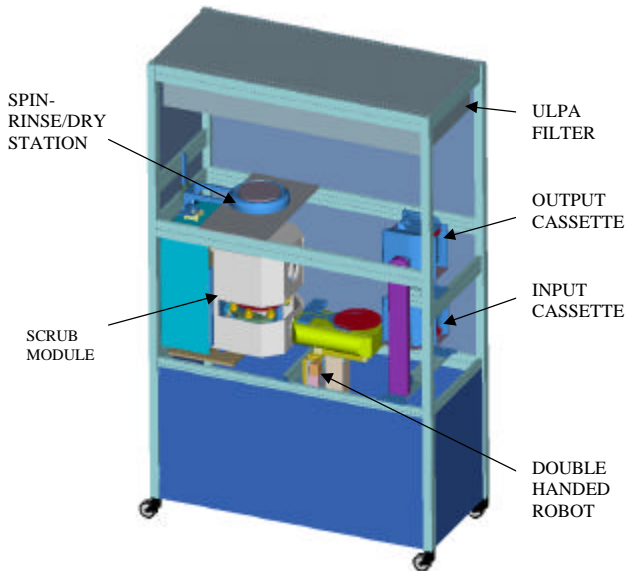
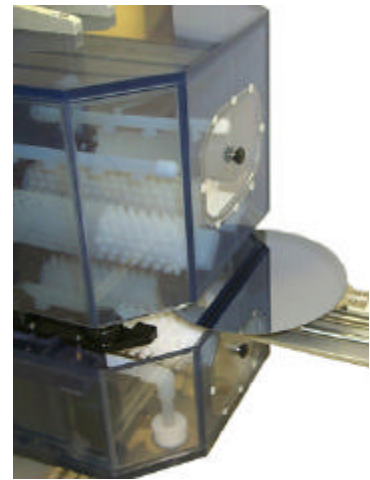
Typical Options Include:

- Second brush set for sequential scrubbing operations
- Cassette to cassette with multiple cassette options
- Wet input cassette with megasonic option
- Megasonic post scrub rinse
- Tilt loading cassette
- Multiple scrub modules
- Enclosure with ULPA filtration
- Bulkhead mounting
- Stainless and PVC enclosure options
- Acid and alkali chemical compatibility options for CMP and non-CMP process applications

TruClean™ Double Sided Scrubbers



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