

## A Quantum Global Technologies, LLC PRESS RELEASE

### QuantumClean® to exhibit at SEMICON Europa in Dresden, Germany

*Leading global provider of validated Atomically Clean Surfaces™ outsourced process tool parts cleaning, performance coating and refurbishment for sub-20nm manufacturing processes to exhibit at SEMICON Europa in Dresden, Germany*

**Quakertown, PA, USA. September 28, 2015 – QuantumClean** to exhibit at SEMICON Europa at MESSE Dresden in Dresden, Germany, October 6-8, 2015, Booth #1221.

**QuantumClean** operates on the frontier of the sub-20nm high-purity semiconductor parts cleaning market through leading-edge technologies, resources and expertise.

“QuantumClean’s advanced capabilities allow us to create specific solutions for our wafer fab, OEM & OPM customers to reduce their CoO by providing *Atomically Clean Surfaces™* validated by analytical data generated by ChemTrace® labs. In addition, newly developed coating on ETCH and PVD chambers are increasing MTBWC while reducing defectivity,” said Charles Carroll, Director of Global Sales of QuantumClean.

QuantumClean’s technology roadmap is addressing the many challenges for technology at 14nm & 10nm now while also enhancing our customer’s process control for larger devices like MEMS, power, sensors and other technologies. “European semiconductor manufacturing in these areas has brought new vitality to the continent. QuantumClean has much to offer Europe’s semiconductor manufacturing industry,” concluded Mr. Carroll.

**QuantumClean’s** sales and engineering teams will be present at the booth throughout the show and welcome the opportunity to discuss customized solutions to your parts cleaning, coating and refurbishment challenges.

*About Quantum Global Technologies, LLC*

**QuantumClean** and **ChemTrace** are divisions of Quantum Global Technologies, LLC which is headquartered in suburban Philadelphia, Pennsylvania, USA.

**QuantumClean** is the global leader in sub-20nm outsourced process tool parts cleaning and restoration (including coating) services, tool part life extension and process tool part optimization solutions to the semiconductor wafer fabrication, OEM & OPM industries.

Founded in 2000, QuantumClean operates innovative *Advanced Technology Cleaning Centers*® built on the premise of providing customers *process improvement through consistently cleaner parts*® that exceed industry standards. These solutions dramatically reduce our customers' total cost of ownership. With 19 *Advanced Technology Cleaning Centers* located in 9 countries, QuantumClean provides unsurpassed cleaning capability worldwide.

**ChemTrace** is the recognized leading reference analytical testing laboratory primarily serving the semiconductor, solar and related industries by providing answers and solutions to its customers' micro-contamination related issues. Founded in 1993, ChemTrace also provides independent analytical verification of process tool part cleaning effectiveness for leading-edge semiconductor fab, OEM and OPM customers which have critical cleaning requirements.

To learn more about QuantumClean and ChemTrace, visit their websites at [www.quantumclean.com](http://www.quantumclean.com) and [www.chemtrace.com](http://www.chemtrace.com).

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To learn more about SEMICON Europa 2015, visit their website at <http://semiconeuropa.org/>.

