

Introducing the only filter tested and proven to remove particles as small as 0.0015 μm at 99.9999999% filtration efficiency.



Breakthrough technology from Mott shatters the current 0.003 μm industry standard for the filtration of ultra-high purity semiconductor gases.

Mott GasShield® High Purity Filters combine ideal pore size, pore distribution uniformity and thickness to maximize particle capture while limiting pressure drop at the rated flow. They help achieve optimal yield results in semiconductor wafer processing, LED manufacturing and flat panel display fabrication and are a critical component in filtering ultra-high purity specialty gases. Mott products can be found in most semiconductor tools, tool hookup gas sticks, specialty gas valve manifold boxes, gas cabinets and more.

These revolutionary filters from Mott are available for use in the following applications:

- Point of use for low flow (1-50 slpm), mid flow (50-250 slpm) and high flow (250-4000 slpm)
- Bulk filters (4,000-125,000 slpm)
- Gasket filters – located within the tubing line in the VCR® (Vacuum Coupling Radiation) fitting; these filters do occupy additional space

Additional offerings from Mott:

Flow Restrictors are individually calibrated to meet customer specifications for flow, pressure and gas type.

Gas Diffusers introduce gas into the chamber quickly and without particles, reduce vent and backfill times, and are proven to increase wafer throughput by as much as 20%.

Products from Mott are used by many of the world's prominent semiconductor manufacturers, including:

- Globalfoundries Inc.
- Intel Corp.
- Samsung Group
- Semiconductor Manufacturing International Corp.
- Taiwan Semiconductor Manufacturing Co.
- United Microelectronics Corporation

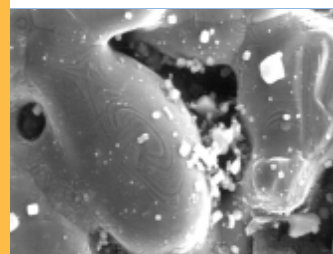
We are also a trusted supplier to:

- Applied Materials, Inc.
- ASML
- KLA-Tencor Corp.
- LAM Research Corp.
- Tokyo Electron Ltd.

The most reliable line of filtration products in the industry



Shattering the industry standard for ultra-high purity gas filtration



Particles shown being captured at 100x magnification



Our History

Mott was founded in 1959 and has earned a reputation for ironclad reliability, unparalleled application expertise and attention to customer service.

We understand the challenges of semiconductor manufacturing. In fact, we were the first company to introduce porous metal media to solve challenges for semiconductor manufacturers nearly three decades ago.

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Distributors

Visit our website for a complete list of Mott product distributors.

