



**MATERION**



**ADVANCED  
MATERIALS**

Silicon  
Test Wafer  
Cleaning

# Silicon Test Wafer Cleaning

## The Challenge

Silicon test wafers are generally destroyed after use due to the fragility of the wafers and the difficulty of removing depositions. This translates into lower yields of valuable metal and the ability to re-use the wafers. Since markets such as semiconductor, wireless, and LED go through large volumes of test wafers, this is very cost-inefficient.

## The Solution

Materion has developed a unique cleaning process that resolves these issues by removing deposition without damaging the Silicon test wafers. This technology offers customers many advantages.

### LOWER TOTAL COST OF OWNERSHIP

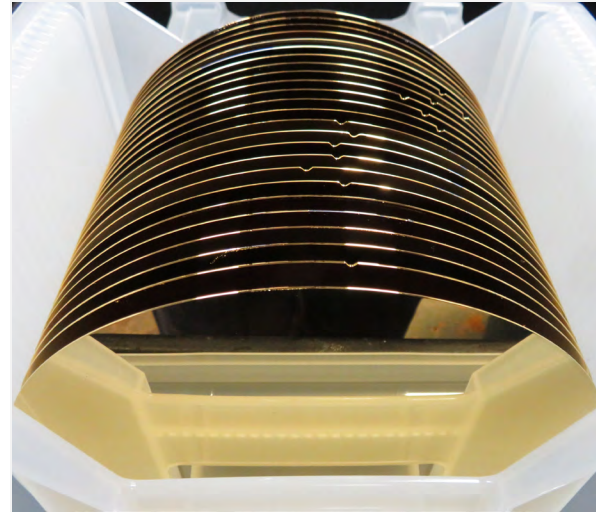
- Allows for reuse of test wafers
- Eliminates replacement costs
- Provides higher precious metal returns
- Deliver production-ready certified test wafers

### AVAILABLE CLEANING OPTIONS

- Lot sizes of 1,000 or more
- Test wafer cleaning capability of sizes from 100 mm (4") through 250 mm (10")

### EASE OF USE

- Fast returns on recovered metals
- Recovered metal can be included in single lot with shield kit settlements



### MATERION OFFERS

- 'One stop solution' metals management
- Over 100 years experience in metal refining, recycling & recovery
- Higher metal reclaim and fast settlements
- Certificate of Analysis
- ISO accreditations

### RELATED SERVICES

- Precision Parts Cleaning
- Metal Management Services
- Refine and Recycling
- Copper Parts Cleaning
- Research & Development – dedicated team of experts
- Project support/consultation



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### ADVANCED MATERIALS

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**MATERION CORPORATION**  
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**MATERION ADVANCED MATERIALS** is a global supplier of premier specialty materials and services. Our offerings include precious and non-precious thin film deposition materials, inorganic chemicals, microelectronic packaging products. In addition, we have related services to meet customers' requirements for precision parts cleaning, precious and valuable metal reclamation and R&D. We support diverse industries including medical, LED, semiconductor, data storage, precision optics, large area glass and aerospace.