



**MATERION**



**ADVANCED  
MATERIALS**

Large Area Glass  
(LAG) Shield Kit  
Cleaning

# Large Area Glass (LAG) Shield Kit Cleaning

## The Challenge

Running large glass coaters results in substantial metal deposits adhering to chamber walls and components. Many companies employ their own internal mechanical practices (grit-blast / scraping) to clean these chamber parts to remove deposited materials. The procedure is generally loud and messy, takes up floor space, consumes significant operator time and results in poor metal recovery. In order to improve these outcomes, one needs to find a vendor capable of delivering superior cleaning of large chamber components, while employing cost-effective methods that deliver higher metal yields.

## The Solution

Materion has developed a unique cleaning process capable of removing deposits from chamber parts used in the manufacture of large area glass (LAG). Our industry-leading parts cleaning service uses the most technologically advanced methods of material removal to salvage parts for re-use. This process reduces customers' costs plus yields higher metal returns.

### KEY TECHNOLOGIES AND CAPABILITIES

We provide removal technologies for various complex and challenging depositions. Our state-of-the-art facilities employ the latest advancements in the cleaning industry to help customers optimize their processes and cost efficiencies.

### NON-AGGRESSIVE CHEMICAL AND MECHANICAL CLEANING

- Chemical removal of depositions and contamination without aggressive mechanical procedures reduces cleaning times and increases component life
- Final cleaning & conditioning to prepare parts for immediate installation upon return
- Comprehensive parts monitoring to minimize premature failures or assembly problems

### REFINERY SERVICES

Materion is the only fully integrated precious metal refiner with precision parts cleaning capabilities. The combination of these services and our extensive technical expertise, help customers realize:

- Substantial savings
- Cashflow improvements
- Reduced risk and exposure



### BENEFITS

Materion has over 100+ years of experience in metal refining, recycling and recovery.

- Higher Ag yield and returns
- Savings by extending shield life, reducing replacement costs & allowing re-use of parts
- Superior cleanliness
- Frees up customer resources (i.e. space and labor)
- Environmentally compliant
- Accreditations: ISO 9001, ISO 14001, ISO 17025, LeanSigma

### RELATED SERVICES

- Copper Parts Cleaning
- Metal Management Services
- Refine and Recycling
- Silicon Test Wafer Cleaning
- Research & Development Assistance
- PVD-CVD Shield Cleaning
- Hard-tool Coating Chamber Parts



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### ADVANCED MATERIALS

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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.