

EXPLORE, INSPIRE,
DELIVER. REPEAT.™



MATERION

Large Area Glass Shield Kit Cleaning





Large Area Glass (LAG) Shield Kit Cleaning

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. To improve these outcomes, it's important to find a vendor capable of delivering superior cleaning of large chamber components, while employing cost-effective methods that deliver higher metal yields.

Materion has offers a unique cleaning process for removing deposits from chamber parts used in the manufacture of large area glass. 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 and yields higher metal returns.

BENEFITS

Materion has over 85 years of experience in metal refining, recycling and recovery.

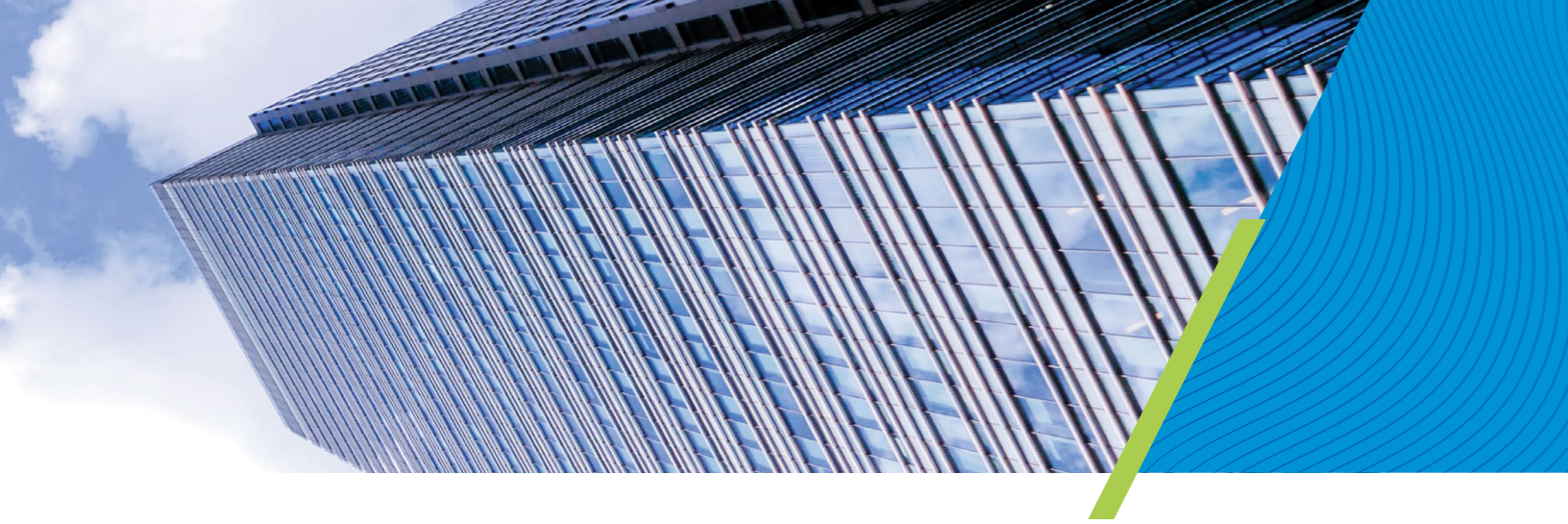
- Higher Ag yield and returns
- Savings by extending shield life, reducing replacement costs and allowing re-use of parts
- Superior cleanliness
- Frees up customer resources (i.e. space and labor)



Environmental Leadership

Materion's disposal procedures comply with state and federal regulations. Our certifications include:

- ISO 9001:2015 Quality Systems
- ISO 14001:2015 Environmental Safety & Management Systems
- ISO 17025:2017 Analytical Laboratory
- LeanSigma



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

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

**FOR MORE INFORMATION OR TO REQUEST
A QUOTE, VISIT [MATERION.COM](https://www.materion.com).**

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