

## EVAPro Grade Gold For Evaporation Sources

### High Purity Evaporation Materials



Materion is an industry leader in producing thin film deposition materials, and are one of the largest manufacturers of evaporation gold products. EVAPro grade gold evaporation materials were specifically developed for the most demanding evaporation processes. This is especially critical where yield and performance are highly sensitive to defects caused by melt instabilities.

### Benefits

- Over 85 years of experience in precious metal refining and recycling.
- Vertically integrated precious metal recovery and refining capabilities.
- Reduced total cost of precious metal ownership by combining our high purity products and support services.
- Supplemental services including precious metal reclaim, precision parts cleaning and precious metal management.

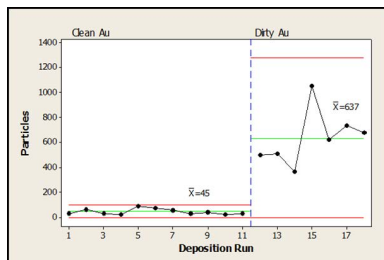
### Material Specifications\*

Industry Standard	Up to 5N purity Poor spit performance
EVAPro III	4N, 4N5, 4N8, 5N Improved spit performance
EVAPro IV	Only 5N grade Superior spit performance

### Features

#### Reduced Spitting

EVAPro grade gold reduces particle counts on evaporated films by up to 10x compared to industry standard gold products.



#### Reduced Yield Loss

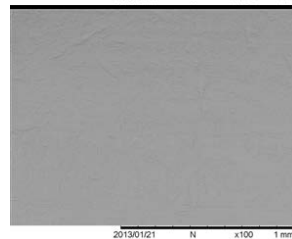
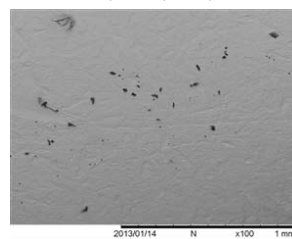
Wafer losses are reduced by up to 4X.

#### Extended Charge Life

EVAPro gold reduces the need to replace evaporation sources due to contamination build-up.

#### Cleanliness and Consistency

Our tightly controlled processes during refining, packaging and inspection result in industry-leading product cleanliness, consistency and purity.



#### Reduced Batch-to-Batch Variability

Lower variations in evaporation characteristics between batches ensure a dependable deposition performance.

#### Available Forms

Shot, wire, and slugs\*

\*Available slug sizes include 0.125"x0.125" (3mmx3mm), 0.250"x0.250" (6mm x 6mm) and 0.5"x0.5" (13mmx13mm)

### Applications

- Wireless
- MEMS
- Medical
- LED
- Semiconductor
- Optical Devices
- Thermal Evaporation Processes