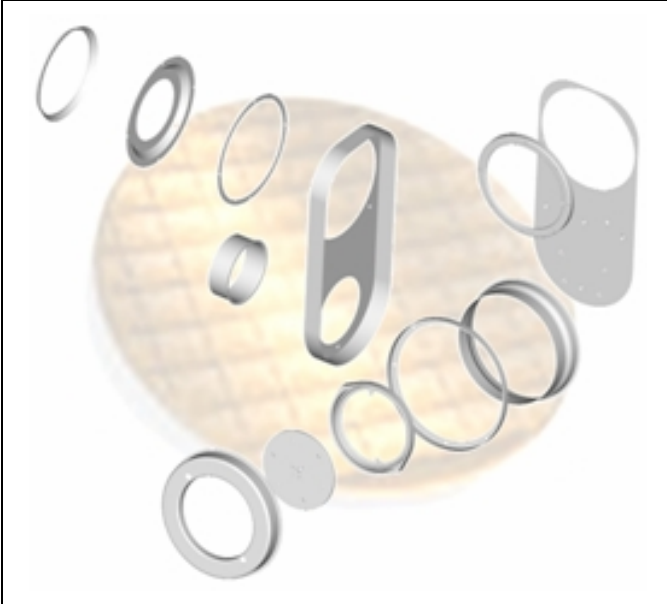


PVD Shield Kit Options



Twin Wire Arc Spray



Twin Wire Arc Spray (TWAS) coatings are applied to shield kit components to reduce particle generation and defect density within these components respective PVD chambers. TWAS coatings increase component surface roughness thereby improving the components particle adhesion qualities. The reduction in chamber particles permits an increase in process life for shield kit components, allowing for longer intervals between scheduled preventive maintenance, resulting in an increase in equipment up time. TWAS coatings are available in a variety of different coating materials which can be applied to your desired specifications.

Shield Kit Options & Overviews

Disposable	Management	Hybrid
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Disposable Shield Kits – This option eliminates the standard recycling loop for PVD shield kits all together. Each disposable shield kit is utilized just once in its respective PVD chamber. After use, the shield kit is disposed of and a completely new shield kit is installed. Therefore, new shield kit components are installed each and every time. Furthermore, disposable shield kit components can be dissolved away to insure optimum precious metal recovery.
- ➔
Shield Kit Management – With this option, we manage all aspects of the PVD shield kit recycling loop. This includes critical dimension inspection and the repair and replacement of shield kit components that have reached end of life. Since we have the flexibility provided with the in-house manufacturing of most shield kit components, we are capable of making repairs and modifications on the fly allowing for a more complete service with quicker turnaround times.
- ➔
Hybrid Shield Kits – This option is available for PVD chambers where some shield kit components don't lend themselves to being manufactured out of disposable materials due to process restrictions. However, the benefits of a disposable shield kit are still desired. The shield kit components that can't be manufactured out of disposable materials are recycled and the remaining components are provided in disposable format. In most cases, recycled and disposable shield kit components are kitted together for ease of installation at preventive maintenance time.



Cost of Ownership Reduction + PVD Equipment Enhancement