

Highlights

- Superior diamond placement control
- Superior uniformity of diamond height
- Robust brazed matrix
- DIASHIELD® PVD diamond overcoat
- Stringent QC inspection on every pad conditioner
- Factory high pressure pre-conditioning procedure

Pad conditioner

DIAGRID™

Ideal for improving pad life and process consistency: DIAGRID™ pad conditioners incorporate many of the best features available in pad conditioning technology, making them ideal for the demands of today's complex CMP processes.

The product consists of a stainless steel base, overlaid with brazed diamonds arranged in a grid pattern that provides superior control of diamond spacing, height, and size. A robust, chemically enhanced braze holds the diamonds firmly in place with a chemical bond that is extremely resistant to diamond loss.

The entire surface is covered with the DIASHIELD® PVD diamond overcoat which offers superior chemical resistance, ideal for use in tungsten and copper processes.

Typical applications

Pad conditioner is ideal for improving pad life and process consistency.



DIAGRID™ pad conditioner is ideal for improving pad life and process consistency.



Pureon offers a variety of slurries in a wide range of viscosities and custom formulations to match your polishing pads. We are happy to assist you in finding the best suitable products.



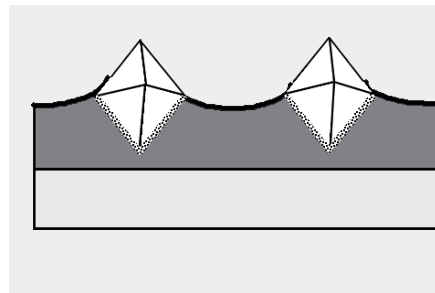
Pureon offers a wide range of customized solutions. Get in touch with us.

Product specifications

Base material Stainless steel and diamond
Shelf life No expiration
Packaging DIAGRID™ pad conditioners are packaged in plastic trays and vacuum sealed in cleanroom-grade plastic.

Benefits

- Enhanced process stability
- Increased conditioner lifetime
- Increased polishing pad lifetime
- Lower cost of ownership
 - Less downtime
 - Improved throughput
- Reduced risk of defectivity due to diamond pull-out
 - No reported incident of diamond loss
- Increased wafer yield
- Enhanced resistance to acidic slurries
- Compatible with tungsten (W) and copper (Cu) slurry chemistry
- Direct replacement for most applications



The precise and consistent spacing, uniform protrusion, and the DiaShield® PVD diamond overcoat on DIAGRID® pad conditioners contribute to process stability, longer consumable lifetimes, lower defectivity, and ultimately decreased cost of ownership.

DIAGRID™ is a registered trademark of Kinik. Pureon is an authorized distributor for Kinik.

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