



Science.
Applied to Life.™

3M™ Diamond Pad Conditioners

Reliable pad conditioning performance

The chemical mechanical planarization (CMP) process relies on getting the most out of each pad in terms of performance and wear.

3M™ Diamond Pad Conditioners refresh your CMP pad surfaces, minimize wear, and maintain consistent asperities and consistent pad performance from wafer to wafer.

The patterned diamond grid with highly controlled spacing helps enable you to better predict and optimize your CMP pad usage, for better planarization efficiency – time after time.

Diamonds that stay intact and in place

- ▶ 3M's proprietary high-temperature sintered abrasive technology locks diamonds in place with both mechanical and chemical bonds in a special metal matrix.
- ▶ Edge exclusion zone provides zero diamond fractures on the conditioner edge – where stresses are at their highest
- ▶ Choose from our extensive library of diamond pad conditioners or customize your own.

Could you significantly lengthen your CMP pad life by using 3M™ Diamond Pad Conditioners?



Controlled Performance

- ▶ 3M™ Diamond Pad Conditioners' diamonds are firmly secured with 3M's proprietary sintered abrasive technology.
- ▶ Controlled diamond spacing and protrusion results in excellent pad planarity
- ▶ Tight flatness specification for 3M disks enhances pad wear uniformity and pad planarity

Increased Pad Life

- ▶ Customizable pad conditioners for your preferred conditioning aggressiveness.
- ▶ Longer disk life helps you reduce maintenance and cost of ownership.

Responsive Support and Supply

- ▶ Multiple geographically independent 3M manufacturing and research facilities around the world provide prompt, local technical support and supply.

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Electronics Materials Solutions Division
3M Center, Building 224-3N-11
St. Paul, MN 55144-1000 USA
1-800-810-8513 phone
3M.com/CMP

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