

## 3M™ CMP Pad Conditioners

# Redefining CMP.

As semiconductor manufacturing yield requirements increase, so do the demands on your chemical mechanical planarization (CMP) process and CMP pads to deliver consistent planarization every time.

3M's pad conditioners are engineered to help you meet some of your most demanding needs, including:

- ▶ Extended pad life
- ▶ Reduced pad wear
- ▶ New low metallic pad conditioners for advanced processes
- ▶ Pad conditioner solutions for nearly every process and need

## 20 years of innovation and collaboration

3M has provided cutting-edge CMP pad conditioning technology to many leading companies in the semiconductor industry for over 20 years.

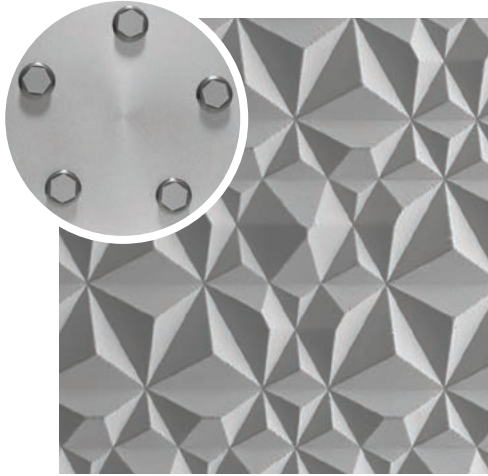
### Ongoing innovation

From the exclusive sintered abrasive technology behind consistent, reliable 3M™ Diamond Pad Conditioners to today's microreplicated 3M™ Trizact™ Pad Conditioners for demanding advanced node processes, we work to help you enable your innovations and optimize your CMP process.

### Global product support

Our three independent lab and manufacturing locations around the world help provide support and service near your business.

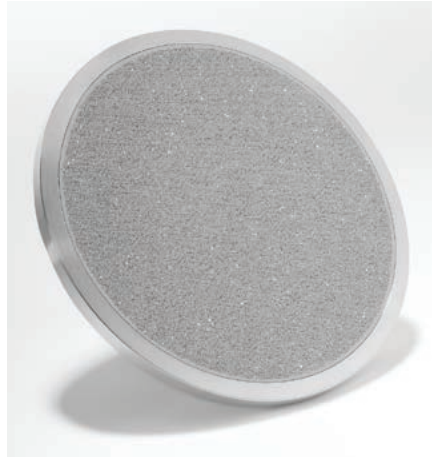
## 3M™ Trizact™ Pad Conditioners



Using precisely engineered, microreplicated, diamond-coated ceramic structures, 3M™ Trizact™ Pad Conditioners provide excellent, highly consistent disk-to-disk performance for the most demanding advanced node processes.

The metal-free cutting surface avoids the risk of metallic contamination for sensitive processes.

## 3M™ Diamond Pad Conditioners



3M™ Diamond Pad Conditioners use 3M's exclusive sintered abrasive technology to provide a powerful chemical and mechanical bond between diamonds and substrate, helping keep diamonds intact and in place for consistent long-term conditioning performance.

## 3M™ CMP Pad Conditioner Brushes



Featuring a metal-free construction and low cost of ownership, 3M™ CMP Pad Conditioner Brushes are engineered for CMP buff and pad cleaning applications. The durable bristles help remove debris and generate texture on porometric and felt-based pads.

**Visit us at [3M.com/CMP](https://www.3m.com/CMP) to learn more and connect with our experts.**

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