

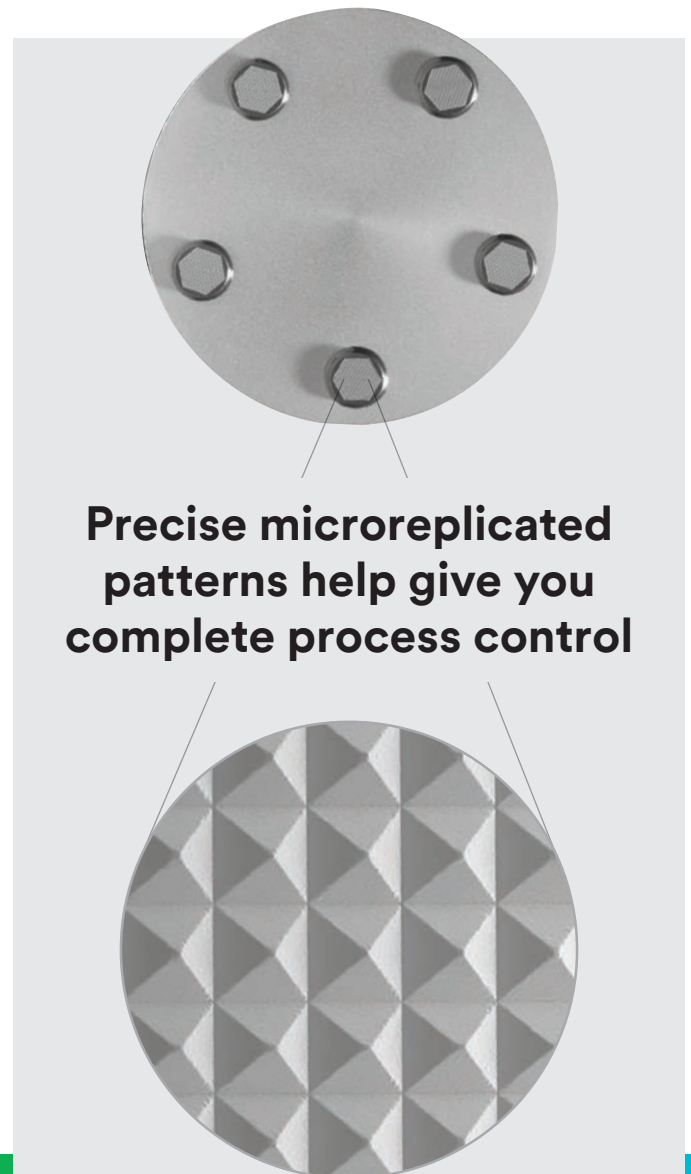
# 3M™ Trizact™ Pad Conditioners

## Consistent performance from every disk, every time

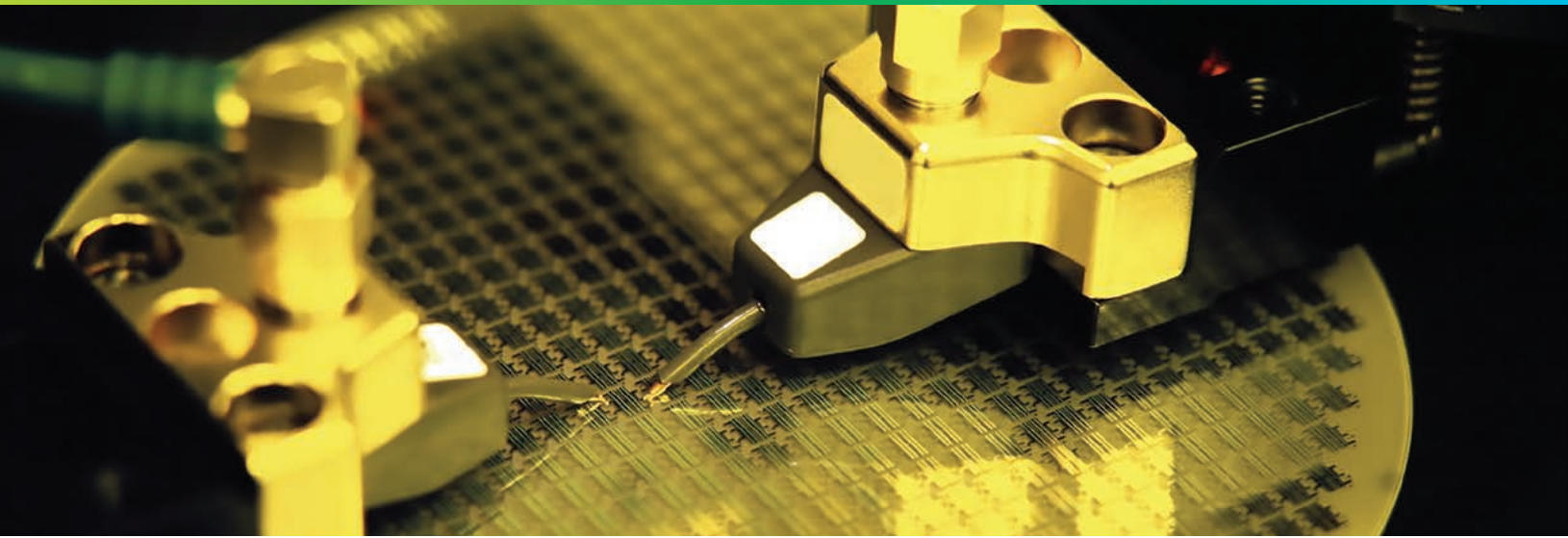
What if you could design and control every element of your chemical mechanical planarization (CMP) pad conditioner to help you meet your semiconductor fabrication process needs?

3M™ Trizact™ Pad Conditioners are for advanced node processes where precision, reliability and consistency are vital. Using 3M's proprietary microreplication process, virtually every aspect can be specified at the micro scale and manufactured out of diamond-coated ceramic:

- ▶ **Tip shape** – designed and controlled
- ▶ **Height dispersion** – designed and controlled
- ▶ **Type of shape** – a library of unique patterns, designed and controlled



# Micro-scale patterns, macro-scale performance



## Increased Pad Life

- ▶ Consistent and predictable pad finish and pad wear from disk-to-disk helps enable predictive performance.
- ▶ Help lower your cost of consumables through longer disk and pad life.

## Yield Improvement

- ▶ Diamond-coated ceramic virtually eliminates defects caused by diamond grit scratching.

## Metal-Free Surface

- ▶ Ideal for advanced node processes sensitive to metallic contamination.

## Reduced Variability

- ▶ Microreplication enables tight control of preferred height dispersion, tip shape and pattern.

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