

## 3M™ Trizact™ Pad Conditioner T Series

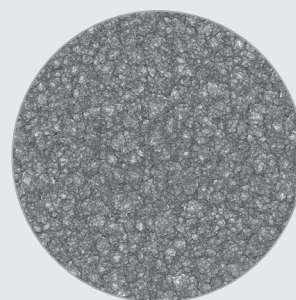
### Consistent, long-lifespan CMP pad conditioners from wafer to wafer

3M™ Trizact™ Pad Conditioners are well known for their revolutionary non-metallic, highly tunable surface construction. Now, we've made them even better.

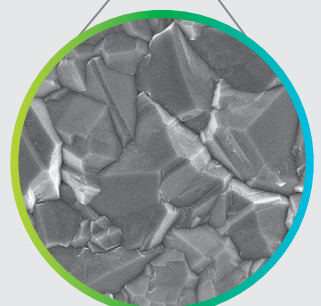
Building on the original 3M™ Trizact™ pad conditioner platform, the 3M™ Trizact™ Pad Conditioner T Series optimizes the surface topography for:

- ▶ Stronger pad activation through increased grain size
- ▶ Slower pad wear rate decay
- ▶ More consistent lifetime performance

**Precise  
microreplicated  
patterns help  
give you  
complete  
process control**



**3M™ Trizact™ Pad  
Conditioner**

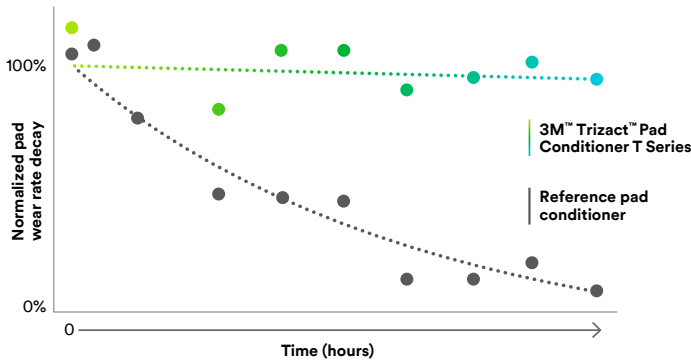


**3M™ Trizact™ Pad  
Conditioner T Series**

# Advanced pad conditioning for advanced nodes



## Slower Pad Wear Rate Decay

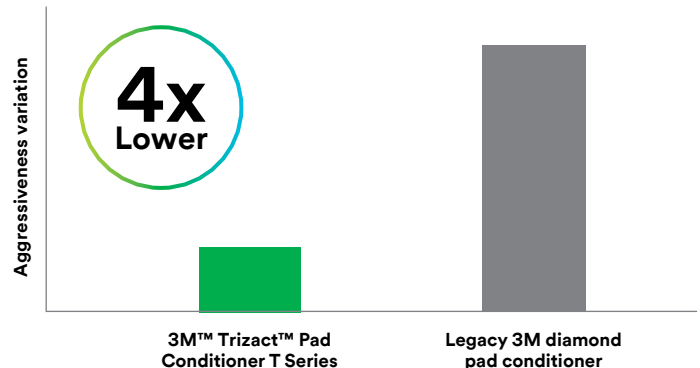


- ▶ Optimized diamond surface roughness helps maintain pad wear performance over hundreds of wafers and dozens of hours, with up to 80% less pad wear rate decay than reference pad conditioners

## Yield Improvement

- ▶ Diamond-coated ceramic virtually eliminates defects caused by diamond grit scratching
- ▶ Microreplication enables tight control of preferred height dispersion, tip shape and pattern

## Engineered for Consistency



- ▶ Minimal aggressiveness variation between 3M Trizact Pad Conditioner T Series products compared to legacy pad conditioners helps provide consistent results for high-performance CMP processes

## Metal-Free Cutting Surface

- ▶ Ideal for advanced node processes sensitive to metallic contamination

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