

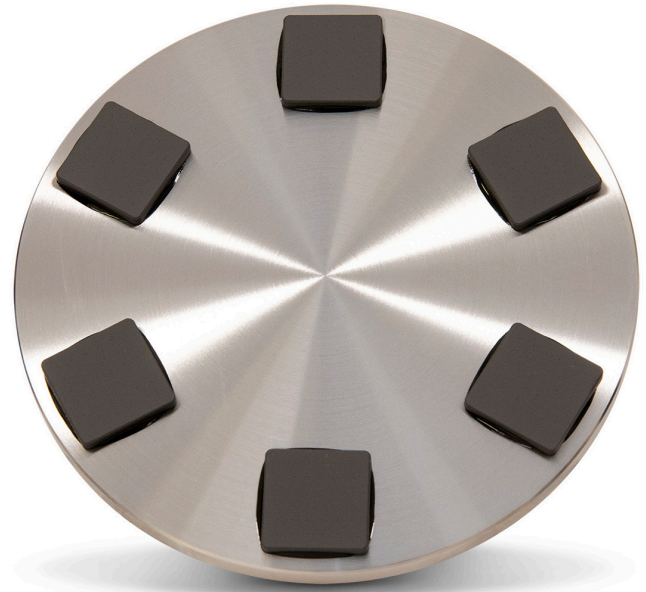
Planargem[®] XT CMP Pad Conditioners

*Micro-machined SiC substrate with
conformal CVD diamond coating*

Planargem[®] XT CMP pad conditioners with micro-machined silicon carbide (SiC) substrate, offer leading-edge, customer-tailored performance across all aspects of the CMP process. Processed with conformal CVD diamond coating that eliminates defects caused by lost or broken diamonds, our pad conditioners deliver long-life, highly uniform pad conditioning while minimizing substrate damage.

APPLICATIONS

- Semiconductor dielectric and metal CMP
- Glass disk polishing (for hard disk drive)



Offer leading-edge, customer-tailored performance across the entire CMP process

FEATURES & BENEFITS

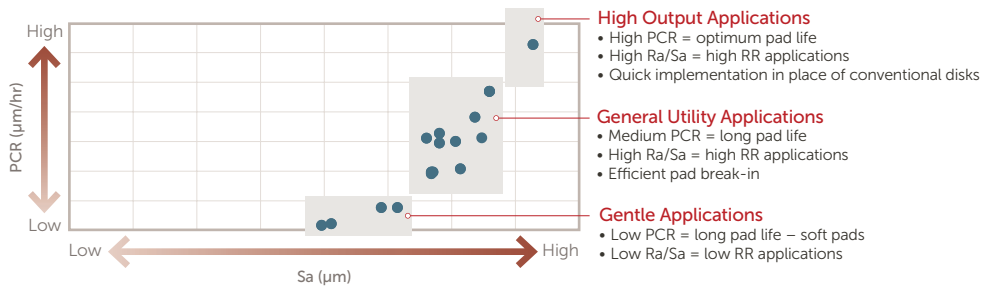
Conformal CVD diamond coating	Eliminates defects caused by lost or broken diamonds
Tunable SiC features	Offer performance flexibility to match customer processes
CAD/CAM micro-machined SiC substrate	Offers superior feature consistency Provides pad dressing uniformity Enables consistent surface roughness with low pad cut rate Allows targeted disk aggressiveness customized for specific applications Enhances chemical stability Improves cost of ownership

SPECIFICATIONS

Materials	"Cutting" surface	Proprietary CVD diamond coating
	Carrier	High-density silicon carbide
Feature size	10 µm to 100 µm	
Feature depth	15 µm, 20 µm, 35 µm, 50 µm, flexible	
Segments per disk	5, 6, 8 flexible	
Holder types	Stainless, magnetic	

PERFORMANCE DATA

Pad Cut Rate (PCR) vs Surface Roughness (Sa) [IC1000]



Disk selector as a function of application

APPLICATION	AGGRESSIVENESS	4.25" STANDARD BACKING	4" MAGNETIC BACKING	4.32" THIN BACKING
High output	High	PRX85SC	PMX85SC	–
	Low	PRX35SB	PMX35SB	–
General utility	High	PRX45SB	PMX45SB	–
	Medium	PRX35SE	PMX35SE	–
	Low	PRX45SE	PMX45SE	–
Gentle	High	PRX35SD	PMX35SD	–
	Medium	PRX35SG	PMX35SG	–
	Low	PRX45SA	PMX45SA	–
HDD glass disk polish		–	–	PPX25SA

FOR MORE INFORMATION

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