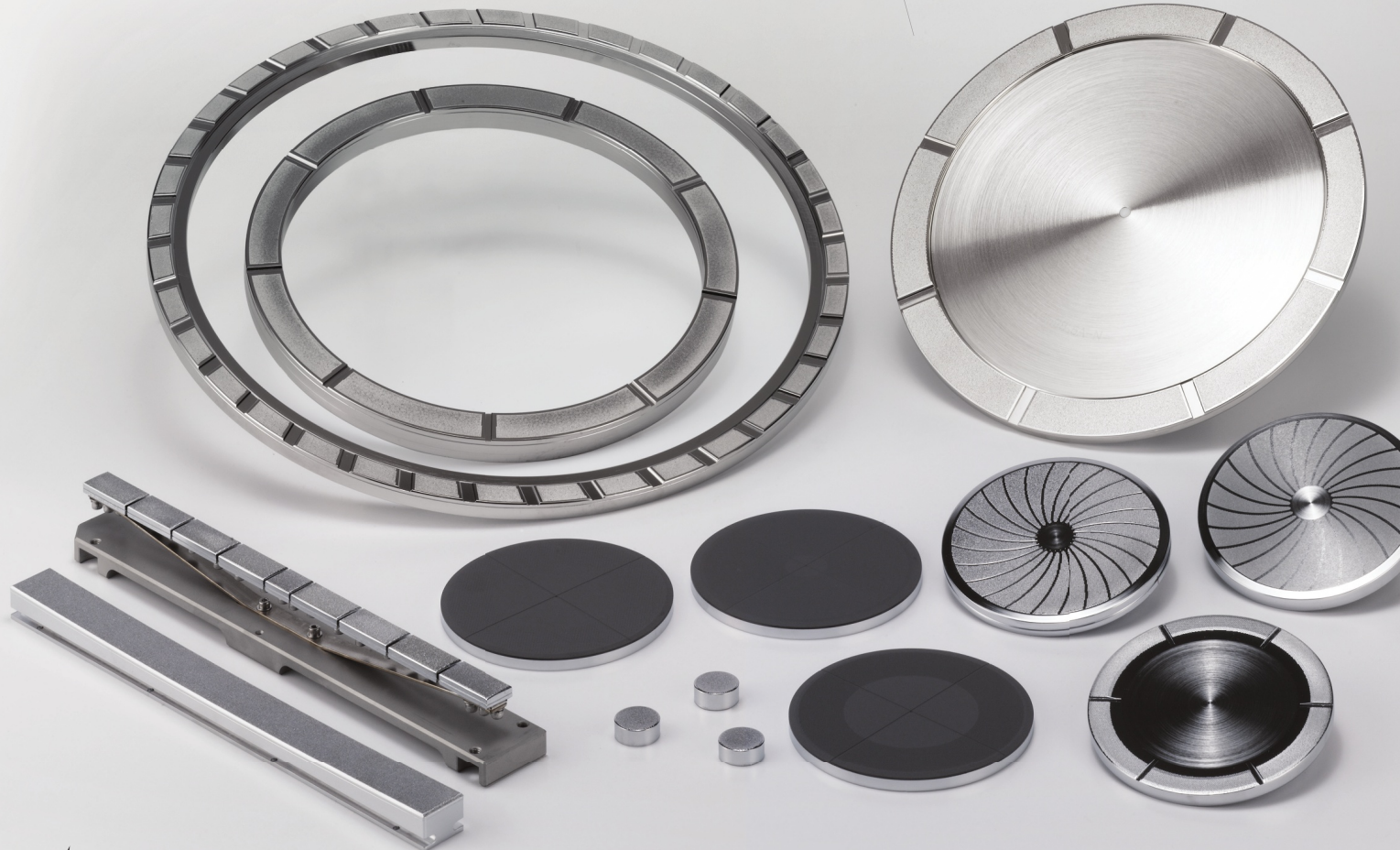
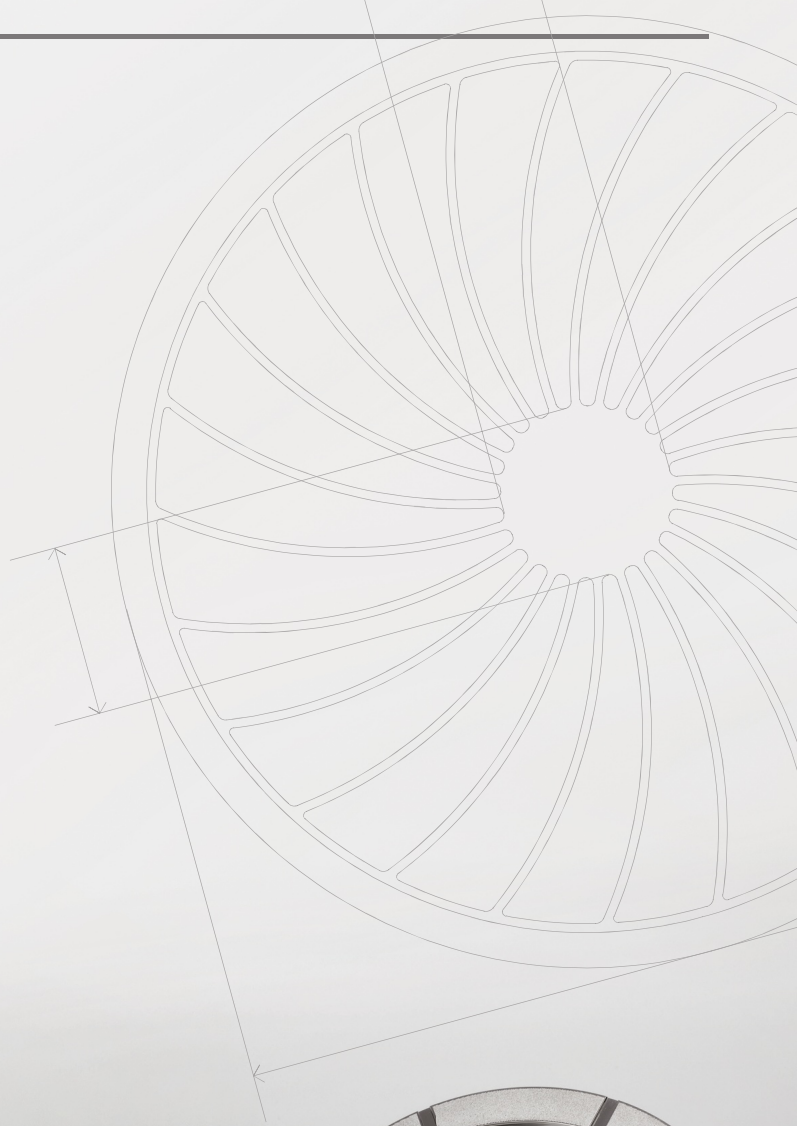
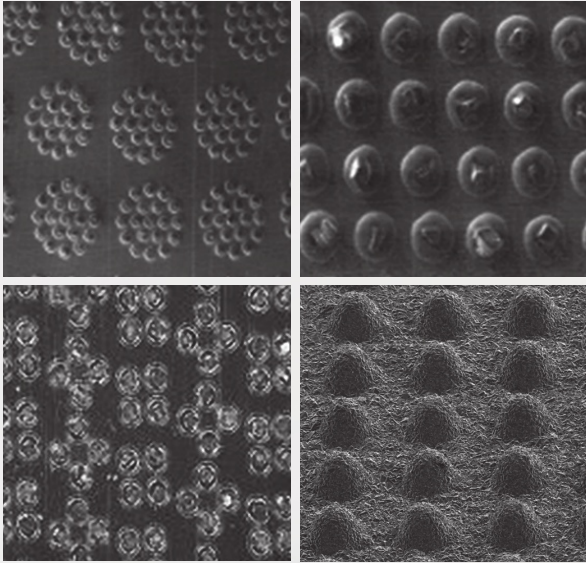


CMP CONDITIONER

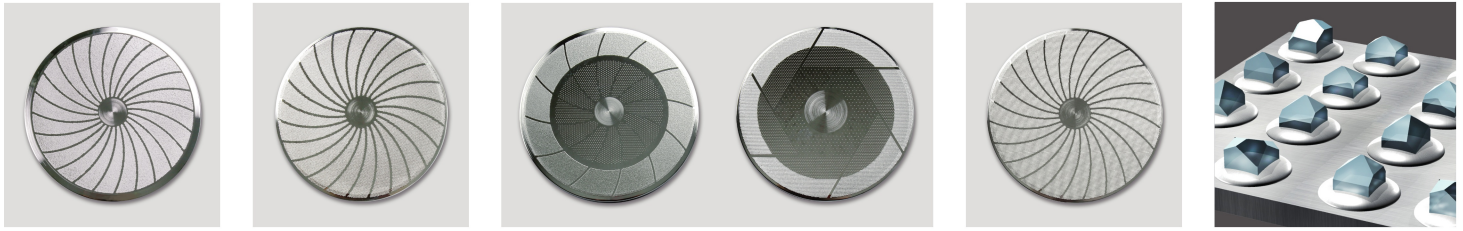
Introduction

ARIX Type

It's easy to meet the customer's target performance with flexible & accurate diamond arrangement.



CMP CONDITIONER



Name	ARIX	ARIX - W	ARIX - TY/TJ	ARIX - W3	ARIX - A
Year of Development	2005	2013	2014	2015	2017
Concept	*it can control dia array and design pattern	*it reinforces the edge area by adding more dia	*designed with different shape and desity of diamond	*Same and regular shape of dia is used	*dia shape, size, and density can be controlled
Advantages		*Improved lifetime	*Improved lifetime & PCR with High PCR	*Appropriate to improve defect and R/R by regular conditioning	* Uniform pad roughness and constant RR with regualr dia height * Improve Defect with Low PWR
Application	Cu, Ox	Cu, Ox, W	Cu, W	Cu, Ox, W	Cu, Ox, W

CVD

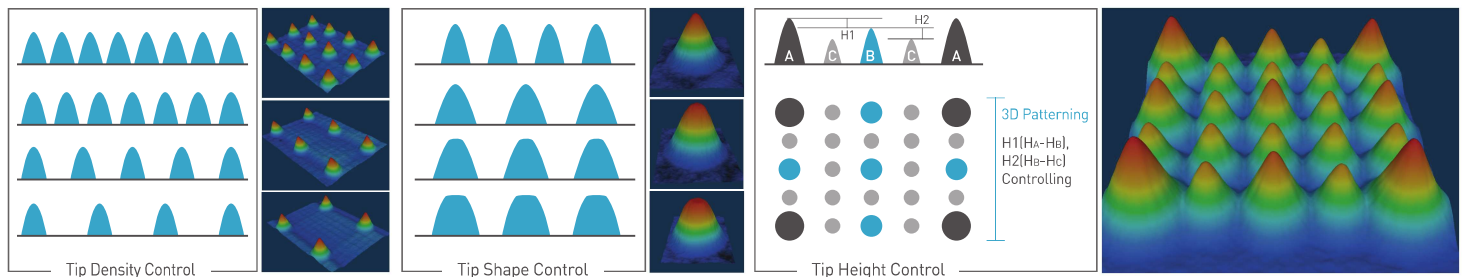
Advantages of Tip Formation by Laser Processing

Working Tip Control by 3D Patterning

- + Tip Density Control : Dense to Rare.
- + Tip Shape Control : Sharp to Blunt.
- + Tip Height Control : Height & It's Distribution.

Guaranteed Quality

- + Reproducibility : Contact-free Laser Process (No tools wear).
- + No Design Limitation : Tip to Tip Distance, Tip Height Distribution.
- + High Quality CVD Diamond Coating ; Good Abrasion Resistance.



Performance

- + Reduction of Defects : Pad Wear Rate & Debris Size Reduced by Tip Shape & Density Design.
- + Performance Maintenance : Tip Shape Can be Maintained by Round Type During the Pad Conditioning.
- + Guaranteed Reproducibility : Repeatability Can be Realized by Contact-free Laser Fabrication Method.
- + Extended Conditioner Lifetime : Excellent Wear-Resistance by High Quality CVD Diamond Coating.