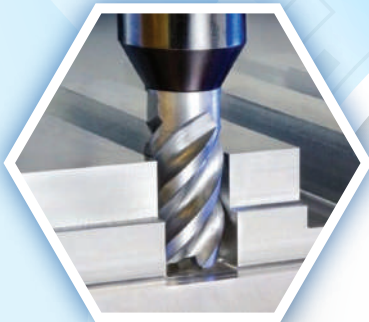


NexGen High Precision Tools for Hard Part Machining

MMP
TECHNOLOGY

Embedded



NexGen High Precision Tools for Hard Part Machining

Hard Machining comes with its own set of challenges - high cutting forces, higher heat generation and higher tool wear.

However advancement in tool geometries and thin film coatings, increasingly accurate tool holders, continuously evolving machine tools and advancement in crafting precise CAM tool paths have enabled cutting hardened materials with high accuracy and productivity.

With our experience of decades crafting high precision tools aided with technology to stabilize the cutting edge and impart high hardness to the tool bring a basket of niche product offering for Hard Machining...



Capabilities

Rake Angle Optimisation

- Stronger cutting edge
- Longer tool life
- Excellent surface finish

mICRO Honed Cutting Edges

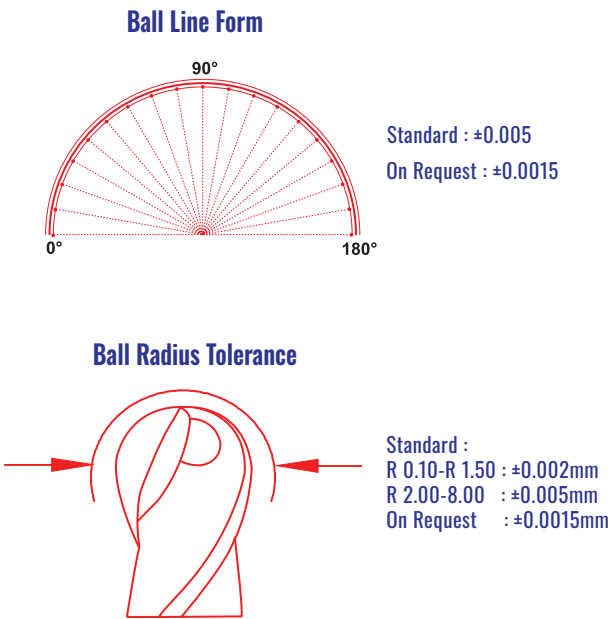
- Enhanced stability for hard machining

Superfinishing and Optimised Coating

- Stronger adhesion of coating
- Reduced coefficient of friction

Neck Radius

- Increased tool strength
- Smooth stress transfer



mICRO Honed Cutting Edges

- Enhanced stability for hard machining

Rake Angle Optimisation

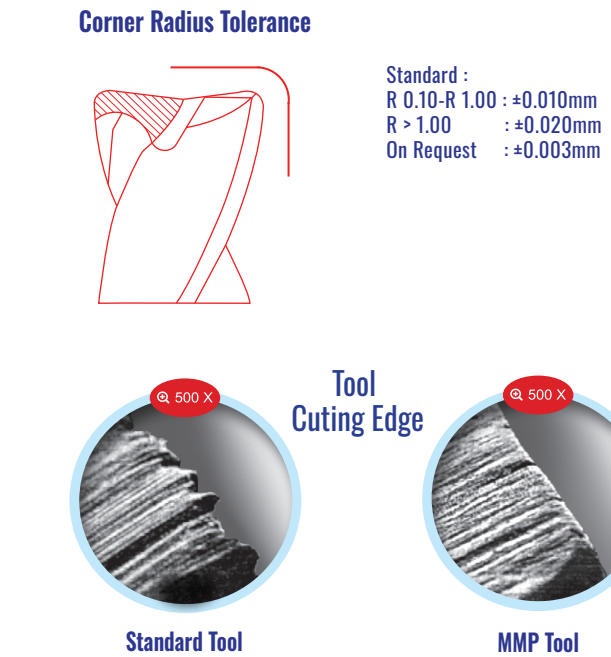
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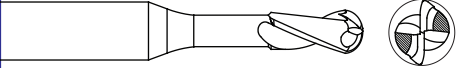
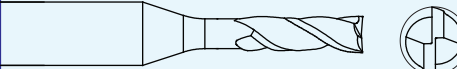
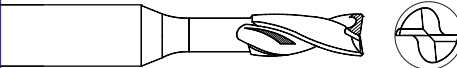
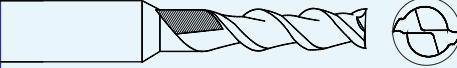
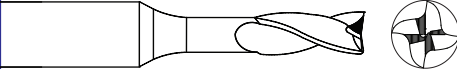
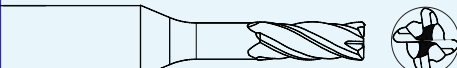
Superfinishing and Optimised Coating

- Stronger adhesion of coating
- Reduced coefficient of friction

Neck radius

- Increased tool strength
- Smooth stress transfer



Article	Tool Drawing	Series	Dia Range (mm)
B934-SN		2 Flute Ballnose End Mill with Long Approach	ø 0.10 - 6.00
B930-SN		2 Flute Ballnose End Mill Stub Length	ø 0.10 - 12.00
B933-SN		4 Flute Ballnose End Mill Stub Length	ø 1.00 - 12.00
E915-SN		2 Flute End Mill with Long Approach	ø 0.10 - 6.00
E931-SN		2 Flute Corner Radius End Mill with Long Approach	ø 0.20 - 6.00
E930-SN		2 Flute End Mill with Stub Length	ø 0.20 - 12.00
E932-SN		4 Flute End Mill with Stub Length	ø 1.00 - 12.00
E933-SN		4 Flute Corner Radius End Mill	ø 1.00 - 12.00

NexGen High Precision Tools Hard Part Machining



axis
Tools for mICRO mACHINING



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