



NexGen Cutting Tools with Super Finishing



Increased Tool Life
Reduced Cutting Forces
Increased Homogeneity



www.axis-microtools.com

QUALITY • PRECISION • CONSISTENCY



What is **AXIS+**

AXIS Plus integrates High Precision Tools manufactured at our facility using state-of-the-art MMP® Technology a unique Super-finishing treatment, creating an unparalleled product

AXIS+ Tools offer customers unique benefits and enhanced performance levels.



Technical Benefits

- Reduced flute friction, drastically improves chip flow
- Reduced heat generation due to smooth cutting
- Controlled and repeatable edge honing
- Enhanced adhesion of thin coatings (PVD and DLC) due to controlled surface preparation
- Improved surface finish post PVD coatings facilitating quick chip evacuation



Advantages

- Increased tool life
- Reduced cutting forces
- Increased homogeneity
- Narrow service life deviation
- Superior reproducibility
- Reduced lead times



Range of tools

- Micro Drills
- Micro Endmills
- Ultra Long Drills
- Super Long Drills
- Tools for Stainless Steel Machining
- PVD Coated Tools
- CVD Diamond Coated Tools





Suitable for Applications

SS

Ni
Alloys

Ti
Alloys

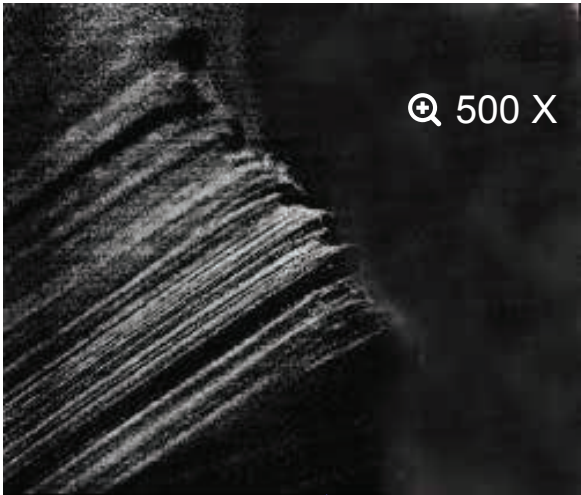
Platinum

Hardened
Steels

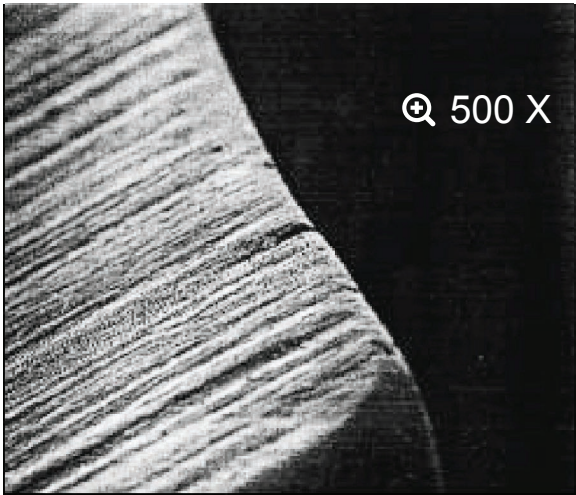
Thin
Walled
Components

Many
Emerging
Materials

Standard Tool



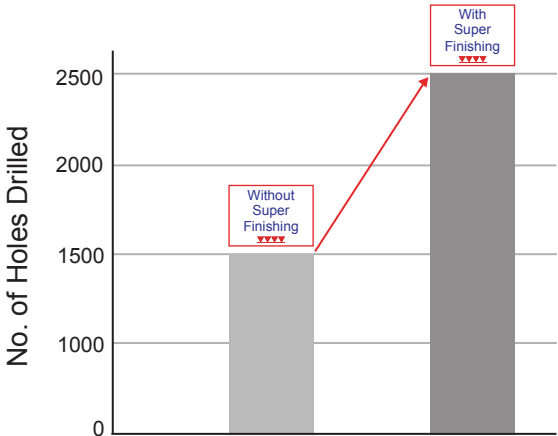
AXIS+ Tool

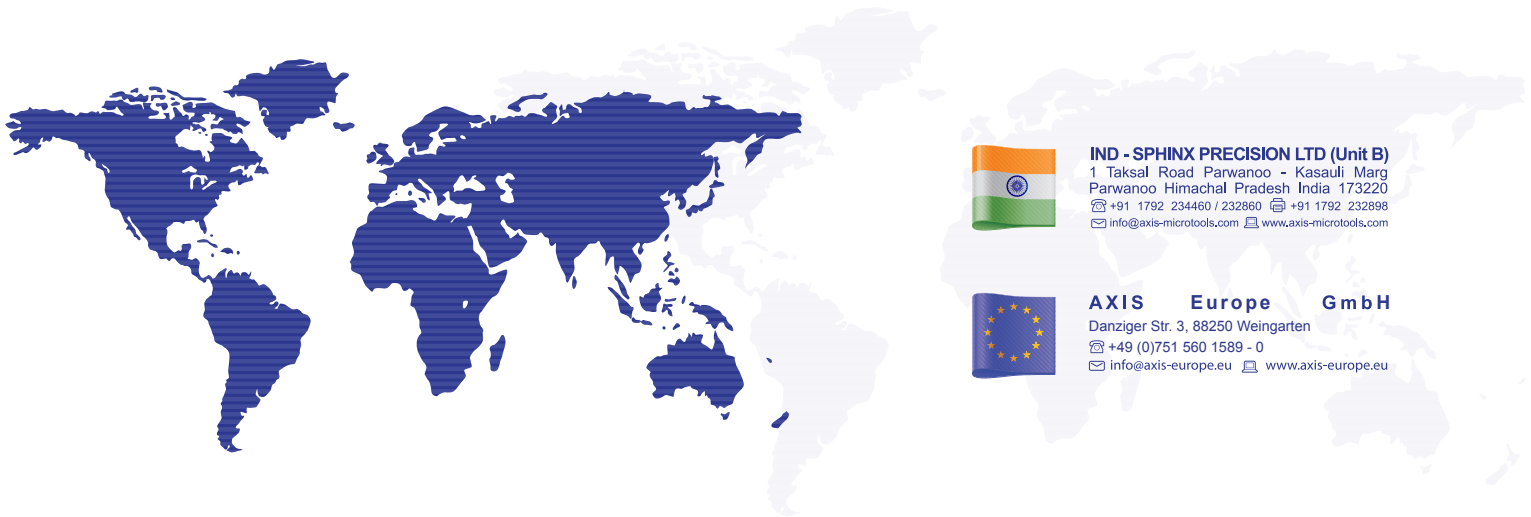


Tool
Cutting Edge

Tool Performance

Tool Used	T6991 - Solid Carbide Drill
Dimensions	ø 0.40 mm
Machine details	Drilling SPM
Application Materail	SS 302
Speed RPM	10000
Feed Rate	mm/rev0.007
Depth of Cut	mm0.40 x 1.3





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 Tools for **m**ICRO **m**ACHINING

