

# AXIS<sup>®</sup>

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

## High Precision Customised Tools For Green Stage Ceramic Machining

**AXIS+**

Cutting Tools with  
Super Finishing



**NexGen  
Geometries**



**Long Life  
Customized Solutions  
Consistent Performance  
Greater Process Efficiency**



[www.axis-microtools.com](http://www.axis-microtools.com)








QUALITY • PRECISION • CONSISTENCY






AXIS introduces wide range of high precision tools with designs optimized for Green Stage Ceramic Machining.

Long standing experience in high Precision tool manufacturers coupled with in-depth application experience, enables us to offer tools to obtain close machining tolerances, improved surface quality and reduced rejections of advanced ceramics.

### STANDARD TOOL RANGE

				
Endmills with Corner Radius	Square Flute Endmills	Ball Ended Drills	Coolant Hole Drills	Drills With Long Flute
0.20 - 20.00	0.050 - 20.00	Starting From Ø0.20	0.80 - 20.00	Starting From 0.10 L/D ≤ 100

### TOOLS FOR CUSTOMER DRAWINGS

				
Ball Endmills	Taper Drills	Drills with special angle	Step Drills	Combination Drills
Special Ball Forms	Different Angles	Acute angles 60°/90°	Custom built	Front Helical + Step flat
0.10 - 20.00	0.20 - 20.00	0.10 - 20.00	0.10 - 10.00	0.10 - 20.00

### PRODUCT RANGE

#### Drills

- Micro Drills ≥0.020mm (20μ)
- XXL Micro Drills
- Ball Ended Drills
- Coolant Hole Drills
- Drill with Long Flute ≤ L/D 100
- Multi Step Drills

#### Endmills

- Square Endmills
- Ballnose Endmills
- Corner Radius Endmills
- Multi Step Endmills
- Taper Endmills

#### Long Approach / XXL

- Square Endmills with long Approach
- Ballnose Endmills with Long Approach
- Corner radius Endmills with Long Approach

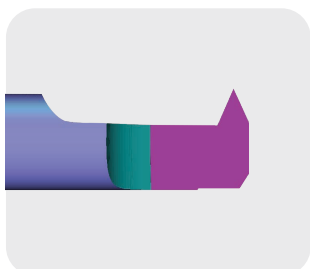
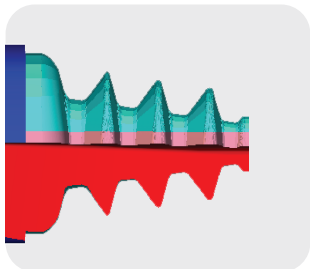
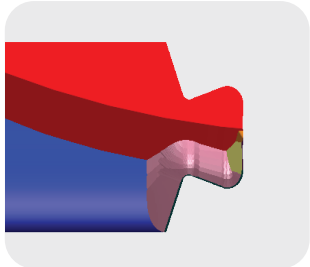
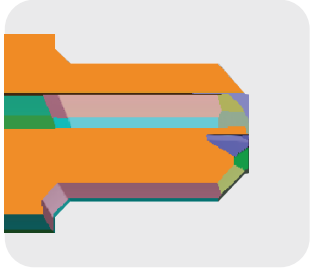
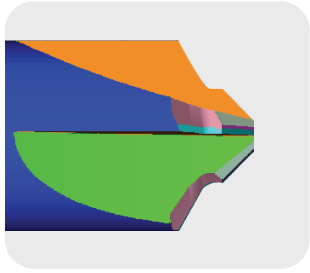
\*All dimensions are in mm

Available Coatings



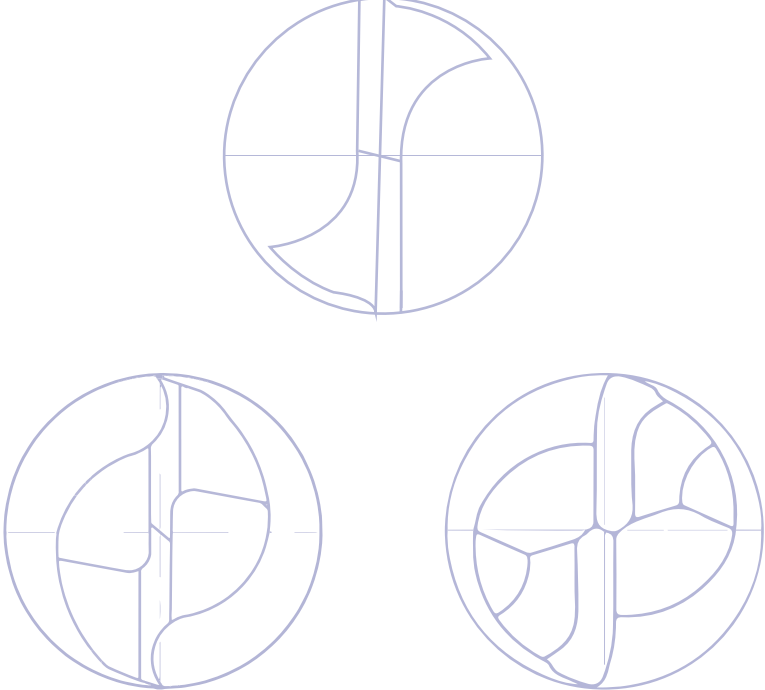
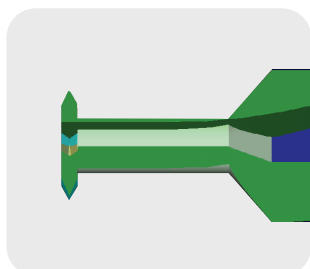
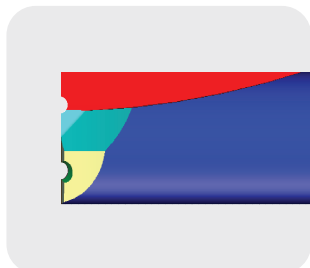
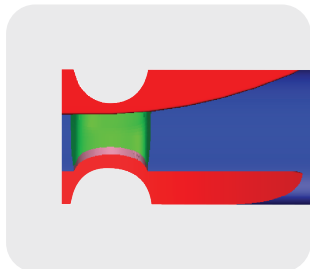
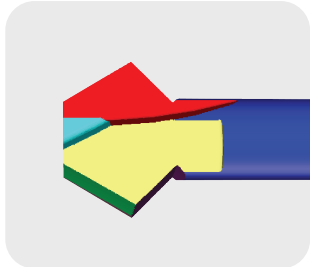
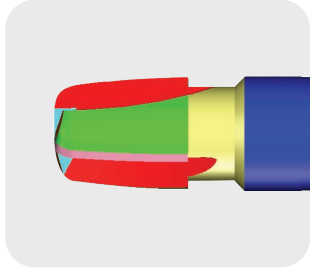
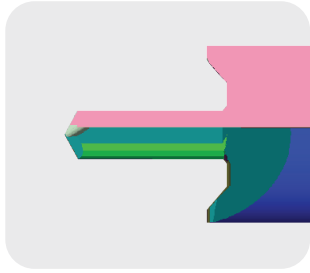
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www.axis-microtools.com  
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**Materials to Machine  
Green Stage**

- Tungsten Carbide
- Ceramic
- Zirconia
- Graphite
- Alumina
- MACOR<sup>®</sup>

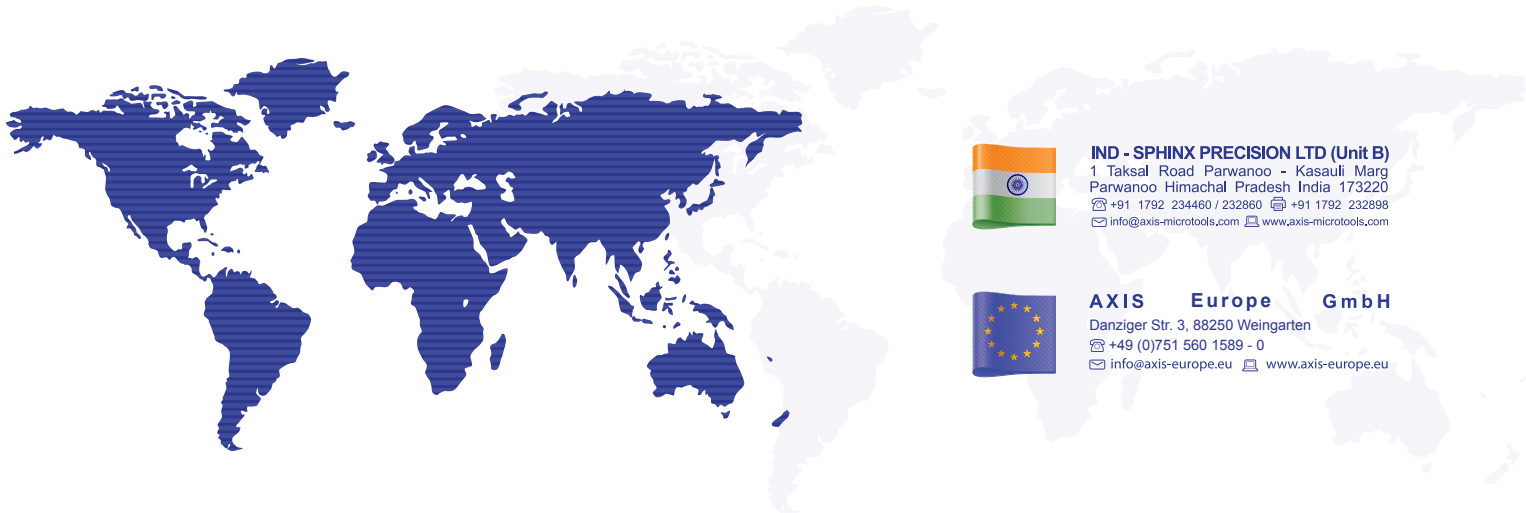
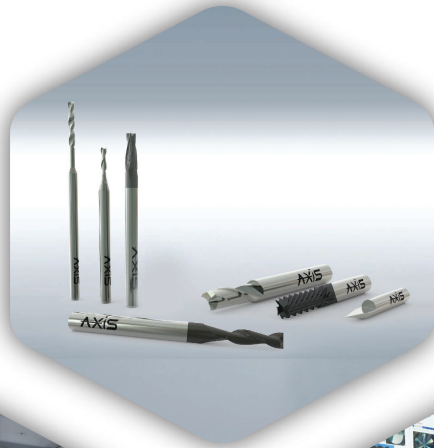


**Features**

- Long Tool Life
- Consistent Performance
- Customized Solutions
- Greater Process Efficiency

**Customised Tools**





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