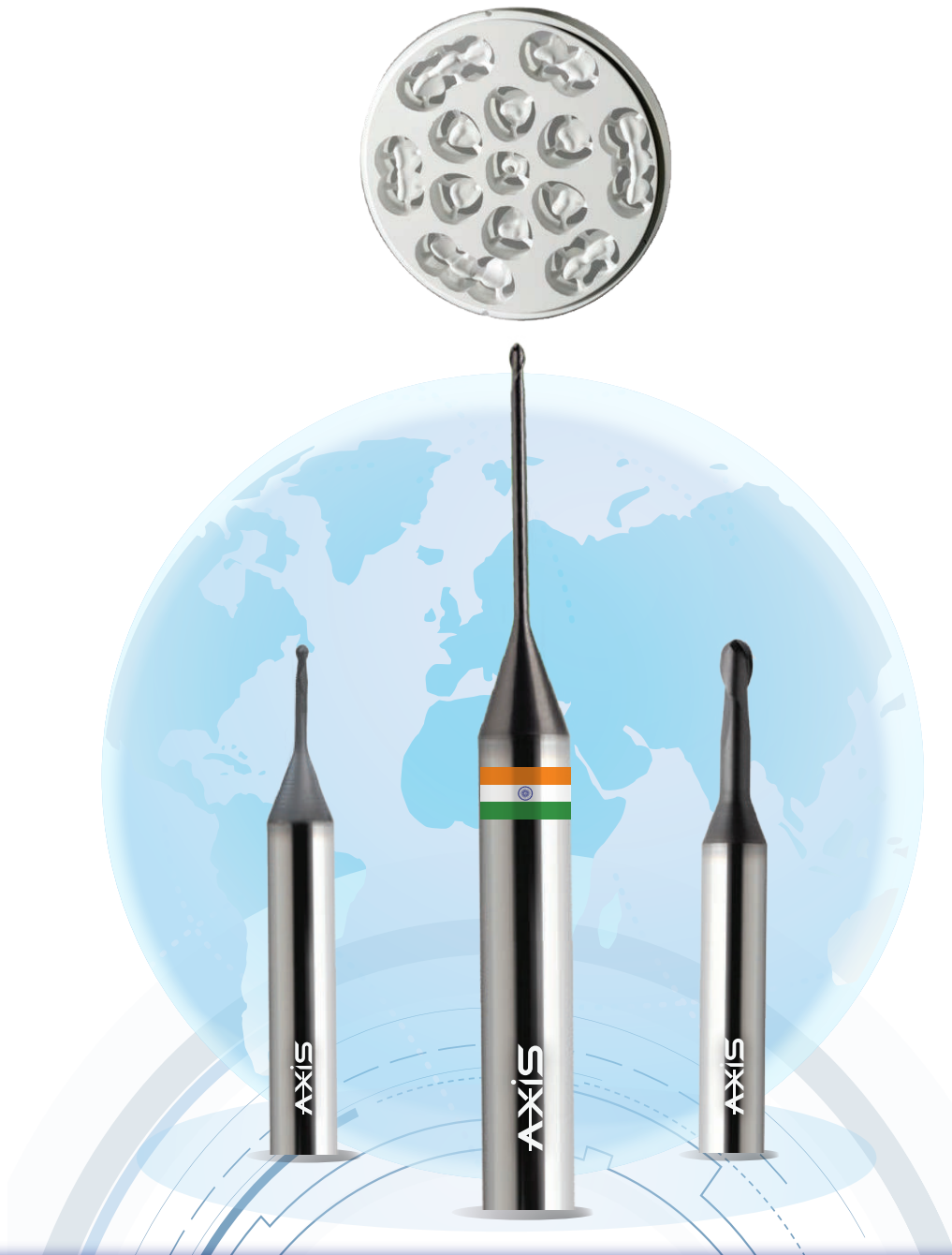


NexGen

Tools for DIGITAL DENTISTRY



- Ultra fine Carbide grades
- Unique Geometries
- NexGen Coatings



- Wide range
- Longer Tool life
- Application support

Tomorrow's Tools: TODAY.... from AXIS

AXIS is world's leading manufacturer of High Precision Tools for mICRO mACHINING.

State-of-the-Art Swiss, German and Japanese CNC Automatic Grinders and High-end Quality control vision and laser instruments enable us craft world class products.

High performance Tungsten Carbide raw materials from Europe and Japan form basis of our products.

Vibrant and Highly trained Team with more than **30** years of experience, is at core of very controlled production processes reflecting our deep entrenched focus on Quality, Precision, Consistency and People.

Our **NexGen** Coating facility with CVD Diamond Coatings, PVD Coatings and High-end Pre Coating and Post Coating processes improves our capabilities to offer front end Coating technology.

Transformation of Digital Dentistry world has allowed innovative materials for Dental restoration offering machining challenges Getting most out of this transformation requires High Precision Milling Tools and this is where AXIS scores as your partner.

AXIS premier position has been achieved with extensive research, deep understandings of Dental Milling Process and close relationships with Dental labs.

PMMA / PEEK / WAX



On Request

- Optimised geometries
- Reduced cutting forces
- Super finish processes
- Smooth chip evacuation

Chrome Cobalt / Titanium



- Special geometry for hard to machine materials
- High Precision Grindings
- Super finish processes
- NexGen Coatings

Zirconia



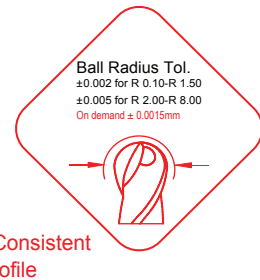
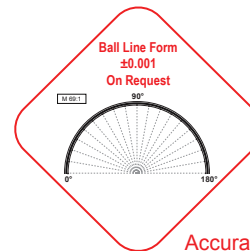
- Customised geometries
- Coating focused grinding Tools
- NexGen Diamond Coatings
- Increased Tool life

Diameters
0.30 - 3.00 mm

Shanks
3.00, 4.00, 6.00 mm

Accessories
Circlips, Metal Rings,
Plastic Rings

Specials on Request



Accurate & Consistent
Ball Profile

AXIS+ Cutting Tools with Super Finishing

Always at the front end of technology we have high-end super finish process to maintain cutting geometry of Tools for improved chip evacuation while machining PMMA, Wax and soft materials.

Technical Benefits :

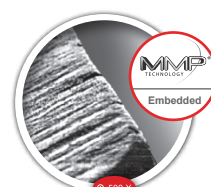
- Reduced flute friction, drastically improves chip evacuation
- Reduced Heat Generation due to smooth cutting
- Controlled and repeatable edge honing



Super Finishing
▲▲▲



Standard Tool



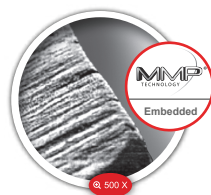
MMP Tool

Cutting Edge

NexGen PVD Coatings

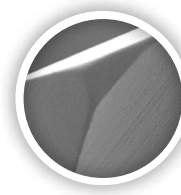
Unique ability of Pre Coating and Post Coating Super finishing process selectively targets roughness which can dramatically impact Tool performance and enhances life.

- Enhanced adhesion of thin Coatings (PVD) due to superior surface preparation
- Improved finish post PVD Coatings as MMP removes droplets and reduces the roughness of the Coating thereby producing a shining surface

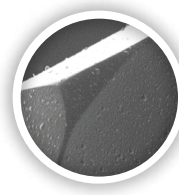


NexGen PVD Coatings optimised for hard and difficult to machine materials such as Chrome Cobalt and Titanium

- Very Strong Adhesion
- Droplet free surface
- Extremely low co-efficient of friction



AXIS PVD Coating

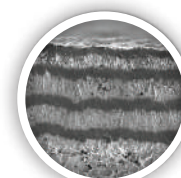


Regular Coating

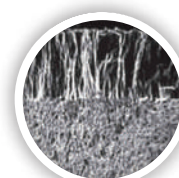
NexGen CVD Diamond Coatings

As Zirconia is highly abrasive material, machining it requires Cutting Tools with optimised geometries and Coatings. Our in - house Coating innovations adds the following values:

- High hardness ~ **10,000 HV 0.05**
- Increased Tool life **6-10 times**
- Extreme wear resistance Coatings
- High dimensional accuracy
- High heat resistance



AXIS Nano-crystalline Coating



Regular Diamond Coating

NexGen Tools for Digital Dentistry



Lava®



Wieland®



Amann
Girrbach®



imes-icore®



vhf®

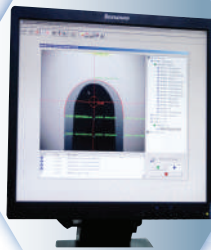


sirona®



yenadent®

.... and many more



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Tools for mICRO mACHINING

