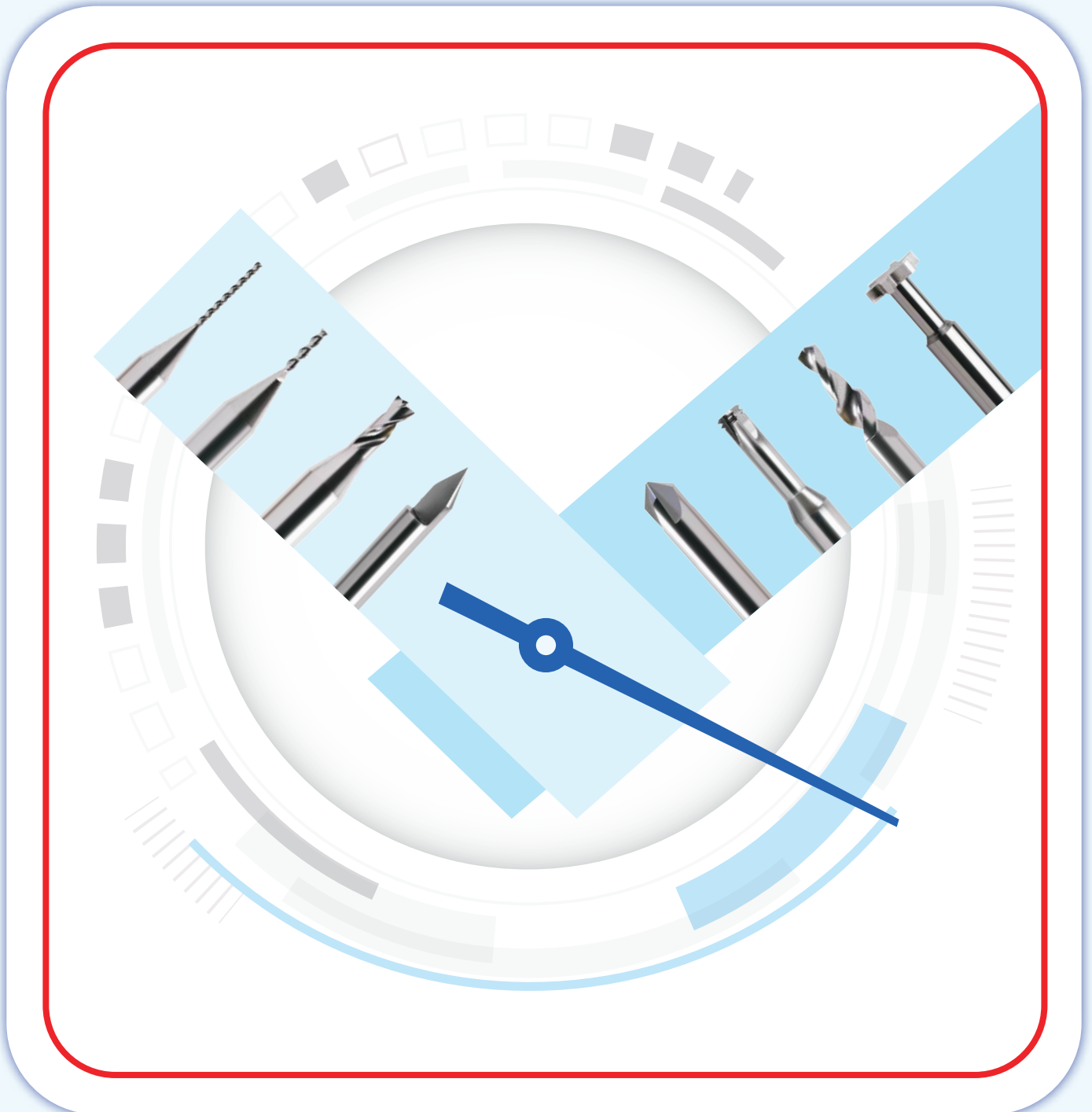


# NexGen High Precision Tools Watch Making



# Watch Making Industry

The watchmaking industry thrives on precision, where even the smallest components are crucial. mICRO tools, engineered with exceptional precision and delicacy, are the backbone of this craft. From intricate gears to minuscule screws, every detail is meticulously crafted using these specialized instruments. In the world of horology, where precision is paramount, mICRO tools enable artisans to manipulate tiny parts with accuracy, ensuring the smooth functioning and longevity of timepieces. This synergy between craftsmanship and technology elevates the art of watchmaking to unparalleled heights, where even the tiniest element plays a significant role in creating masterpieces that stand the test of time.



## High Precision Tools for Watch Making

The AXIS mICRO tools presents a game-changing solution for the watchmaking industry, offering unparalleled precision and efficiency. Its compact design and advanced technology enable watchmakers to execute intricate tasks with utmost accuracy, enhancing the quality and craftsmanship of timepieces. With AXIS, intricate components can be crafted with ease, reducing production time and costs while maintaining superior quality. Its versatility and reliability streamline the manufacturing process, allowing watchmakers to bring their designs to life with unparalleled precision. In essence, AXIS mICRO Tool revolutionizes watchmaking, empowering artisans to elevate their creations to new heights of excellence.



# Watch Applications

Case



Platine



Crown



Dial



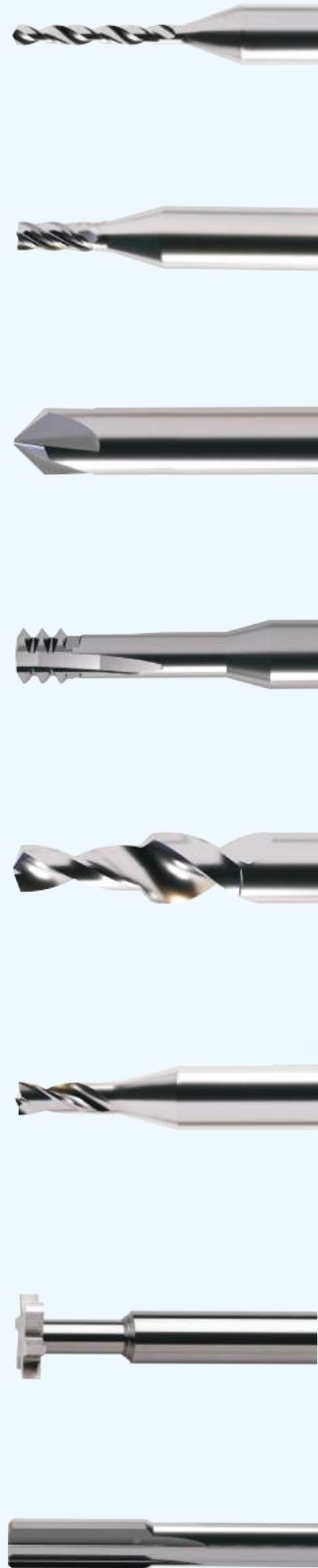
Back Cover



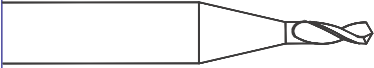
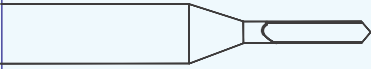
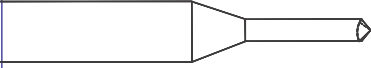
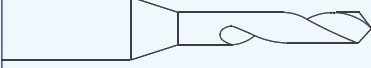



Chain





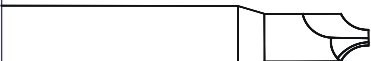
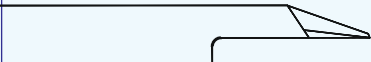
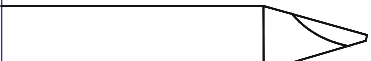
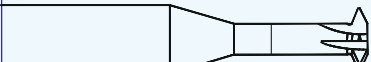
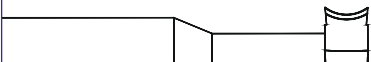
Mastering Time with Precision Engineering Tools



## Portfolio at a Glance

Article	Tool Drawing	Series	Dia Range (mm)
T580-SN T581-SN		NC Pointing Drill	ø0.020 - 3.00
T200-SN		Spade Drill (RH)	ø0.10 - 6.00
T980-SN		Halfmoon Drill	ø0.50 - 6.00
T500-SN		Gun Drill	ø0.10 / 2.00
T579-SN		Step Drill	ø0.50 - 6.00
T599-SN		Clear Cut Drill (Sweep Cut Drill)	ø0.50 - 6.00
E966-SN		2 Flute Square End Mill	ø0.050 - 6.00

## Portfolio at a Glance

Article	Tool Drawing	Series	Dia Range (mm)
E968-SN		3 Flute Square End Mill	ø1.00 - 6.00
E967-SN		4 Flute Square End Mill	ø0.20 - 6.00
E961-SN		Inner Radius Cutter	ø0.10 - 8.00
G847-SN		Engraver	ø0.030 / 3.00
G647-SN		Engraver Reinforced	ø0.030 / 3.00
F500-SN F501-SN		Thread Whirler	M0.6 - M80
F810-SN		Concave T-Slot Cutter	ø2.00 / 12.00

# Key Differentiators

State-of-the-Art  
Machines



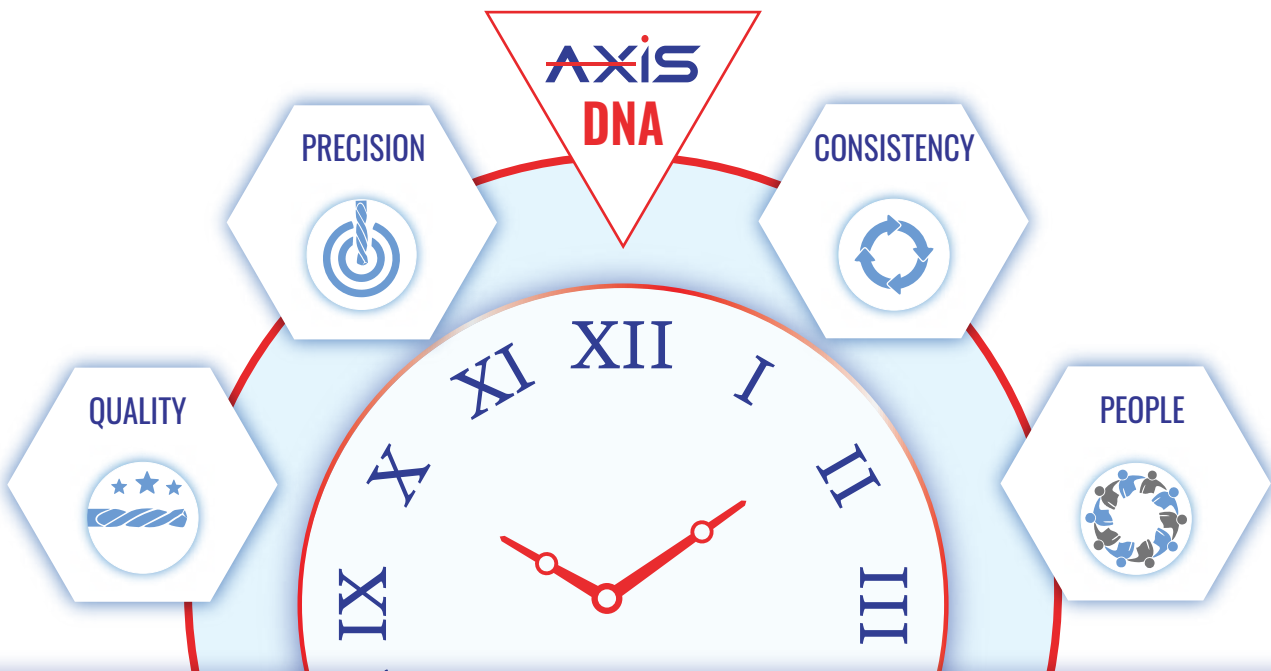
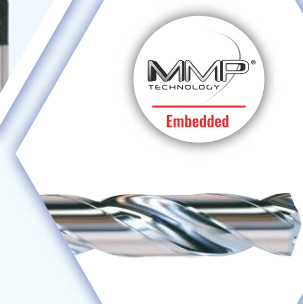
High Precision  
CNC Grinders

High end Inspection  
and Quality Systems



NexGen  
Coatings

Super Precision  
Surface finishing





# Tool Features and Benefits

<b>F</b>	Application Specific Geometries	Sharp Cutting Edges	Optimised Coatings	Super Finished Surfaces	Stabilized Cutting Edges
<b>B</b>	Improved Machine Surface	Improved Chip Flow	Longer Tool Life	Consistent Tool Life	Greater Process Efficiency

## NexGen Coatings

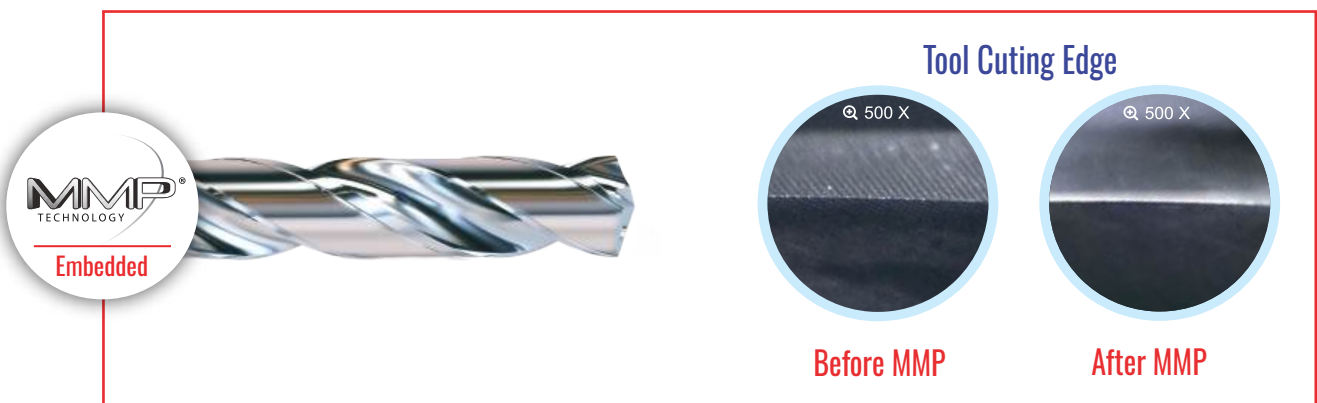
Continuously evolving markets, applications and materials place high demands on precision machining Tools. Our in-house NexGen Coatings (CVD and PVD) facility allows us to offer high-performance Tools tailored for emerging applications.

With advanced in-house preparation and post-coating processes, we ensure the best foundation for optimal coating productivity and superior part finishes. Our proprietary engineered mICRO geometries further set our tools apart, making them a class above the rest.



## NexGen Cutting Tools with Superfinishing

Stabilised cutting edges ensure higher Tool life and MRR with improved workpiece finishes



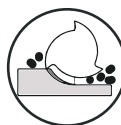
### Technical Benefits



Increased cutting edge strength



Increased operating parameters- cutting speed and feed rate



Reduced cutting forces



Enhanced tool life

# NexGen High Precision Tools Watch Making



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