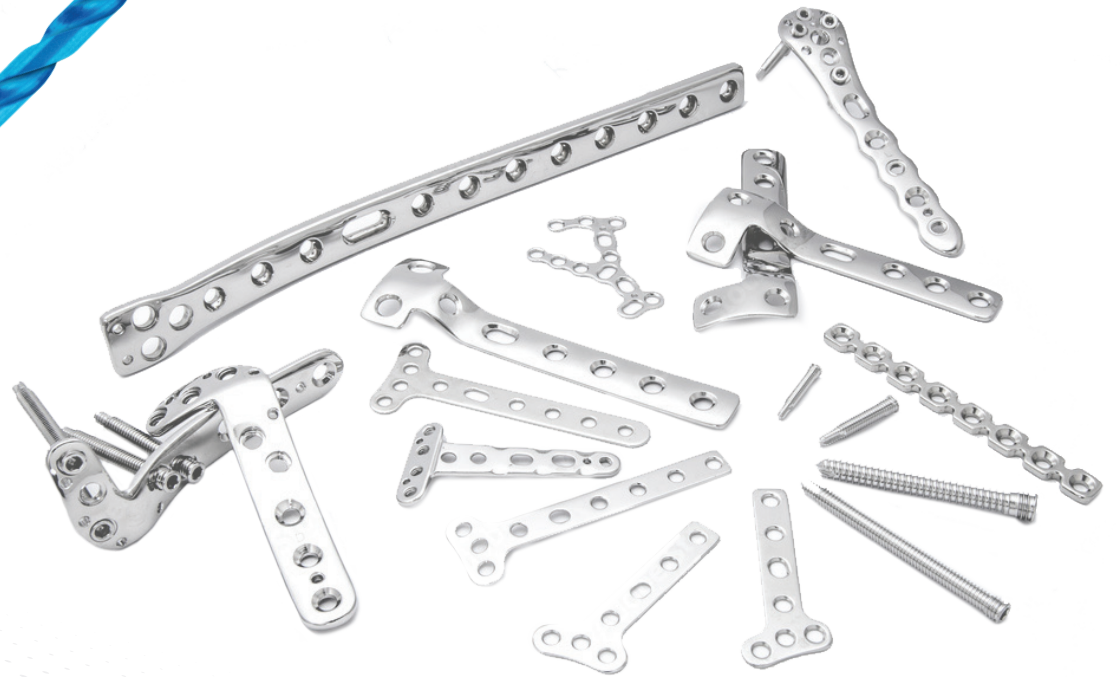


The logo for NACHI, featuring the word "NACHI" in a bold, red, sans-serif font. The letter "A" is stylized with a triangle inside. The background of the entire image is white with a blue diagonal stripe in the top-left corner and a red diagonal stripe in the bottom-right corner. A pattern of grey circles is visible in the lower half of the image.





NACHI



CUTTING TOOLS
FOR MEDICAL MANUFACTURERS
DRILLS END MILLS



	 TIBIAL COMPONENTS	 FEMORAL COMPONENTS	 ORTHOPEDIC SURGERY INSTRUMENTATION	 SHOULDER IMPLANT COMPONENTS	 CANNULATED SPINAL SCREWS	 BONE PLATES	 EYE SURGERY INSTRUMENTATION
 BURRLESS DRILL SERIES		✓	✓			✓	
 AQUA REVO DRILL SERIES	✓	✓		✓		✓	
 AQUA REVO MICRO DRILL SERIES			✓		✓		✓
 AQUA DRILL EX FLAT SERIES	✓		✓	✓	✓	✓	✓
 AQUA DRILL EX OIL HOLE SERIES					✓		✓
 AQUA V MILL SERIES	✓	✓	✓	✓			✓
 BURRLESS MILL SERIES	✓						
 ALH MILL SERIES							
 AQUA REVO MILL MICRO SERIES		✓	✓		✓	✓	✓

 BONE RODS	 MEDICAL TUBING	 INSTRUMENTATION ATTACHMENTS	 HIP IMPLANT COMPONENTS	 INSTRUMENT STERILIZATION TRAYS	 MEDICAL FASTENERS	 RADIATION ONCOLOGY EQUIPMENT	 GENERAL MEDICAL INSTRUMENTS
				✓		✓	
			✓	✓		✓	
✓	✓	✓				✓	✓
	✓		✓	✓		✓	✓
✓	✓	✓				✓	
			✓			✓	✓
			✓		✓	✓	
				✓	✓	✓	
	✓					✓	✓



HIGH PERFORMANCE CARBIDE DRILLS

BONE SCREWS & TUBE COMPONENTS

Nachi drills excel in bone screw and medical tube component manufacturing, engineered to enhance precision in complex contouring and hole placement.

With superior edge retention, our drills ensure high quality machining in titanium, stainless steel, and other tough materials. This results in better component fit, reduced post processing, and improved consistency across both custom and standard designs, ensuring outstanding performance at every stage.

ORTHOPEDIC IMPLANTS

Nachi drills help manufacturers make orthopedic implants with greater precision, efficiency, and consistency.

Our drills deliver cleaner cuts, reduced burr formation, and longer tool life, minimizing downtime and scrap.

This results in tighter tolerances, smoother surfaces, and overall higher quality components that meet the demanding standards of orthopedic implant manufacturing.

MEDICAL EQUIPMENT

Using Nachi drills in medical equipment manufacturing delivers precise, reliable performance essential for high-stakes applications.

Engineered for hard to machine materials like titanium and surgical grade alloys, our drills offer exceptional durability, accuracy, and surface finish.



BURRLESS DRILL SERIES

CARBIDE Tool Material
REVO M DLC-REVO Coating
H7 Dia. Tolerance
135° Point Angle
30°/38° Helix Angle
H6 Shank Dia. Tolerance
2 - 16 mm
3/32 - 5/8 in Diameter Range

APPLICATIONS



Available lengths:

4D



Nachi Burrless Drill series is designed to produce clean, precise holes with minimal burr formation; ideal for applications requiring superior surface finish and reduced deburring processing.



Scan to View Brochure

Available in two coating options, Aqua REVO; which is ideal for Steel, including Stainless. Or the DLC-REVO; which is ideal for Aluminum, Copper, and Plastics.

AQUA REVO DRILL SERIES

CARBIDE Tool Material
REVO D Coating
>2mm H7 Dia. Tolerance
120° - 140° Point Angle
30° Helix Angle
H6 Shank Dia. Tolerance
.5 - 16 mm
3/32 - 5/8 in Diameter Range

APPLICATIONS



Available lengths:

Micro: **5D** **10D** Regular: **3D** **5D** **8D**



Nachi Aqua Revo Drill series is engineered for high-speed, high-precision drilling in tough materials like stainless steel and titanium.



Scan to View Brochure

With advanced coating technology, optimized geometry, and superior chip evacuation, Nachi Aqua REVO drills deliver longer tool life, reduced heat, and exceptional hole quality

AQUA DRILL EX FLAT SERIES

CARBIDE Tool Material
AQ EX Coating
H7 Dia. Tolerance
180° Point Angle
20°/30° Helix Angle
H6 Shank Dia. Tolerance
.2 - 20 mm
1/8 - 3/4 in Diameter Range

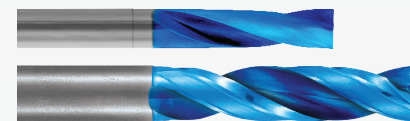
APPLICATIONS



Available lengths:

Micro / Regular: **3D** **5D**

Extended Reach: **3D FL / 10D Neck**



Nachi Aqua Drill EX Flat Bottom series is engineered to leave a true 180-degree flat finish, similar to a counterbore, without secondary operations.



Scan to View Brochure

Ideal for drilling on angled or curved surfaces, it ensures clean entry, precise depth, and excellent chip control in a wide variety of materials.

AQUA DRILL EX OIL HOLE SERIES

CARBIDE Tool Material
AQ EX Coating
H7 Dia. Tolerance
140° 150° PLT Point Angle
30° Helix Angle
H6 Shank Dia. Tolerance
1 - 12 mm
1/8 - 29/64 in Diameter Range

APPLICATIONS



Available lengths:

10D **15D** **20D** **25D** **30D** **40D** **PILOT**



Nachi Aqua Drill EX Deep Hole series delivers precise, stable drilling for deep hole applications with exceptional straightness and chip evacuation.

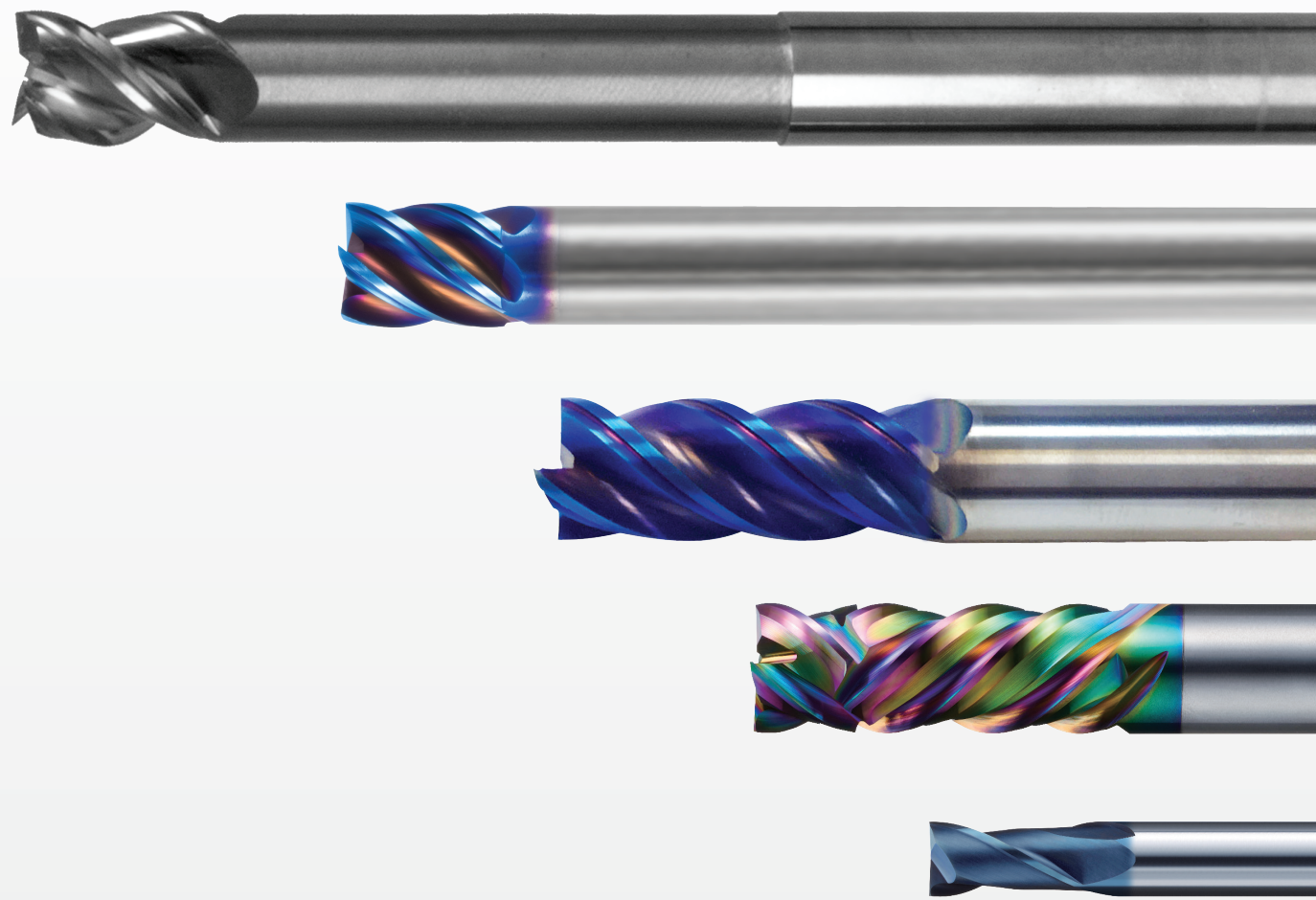


Scan to View Brochure

Designed for tough materials used in medical manufacturing, it ensures consistent hole quality and superior performance.

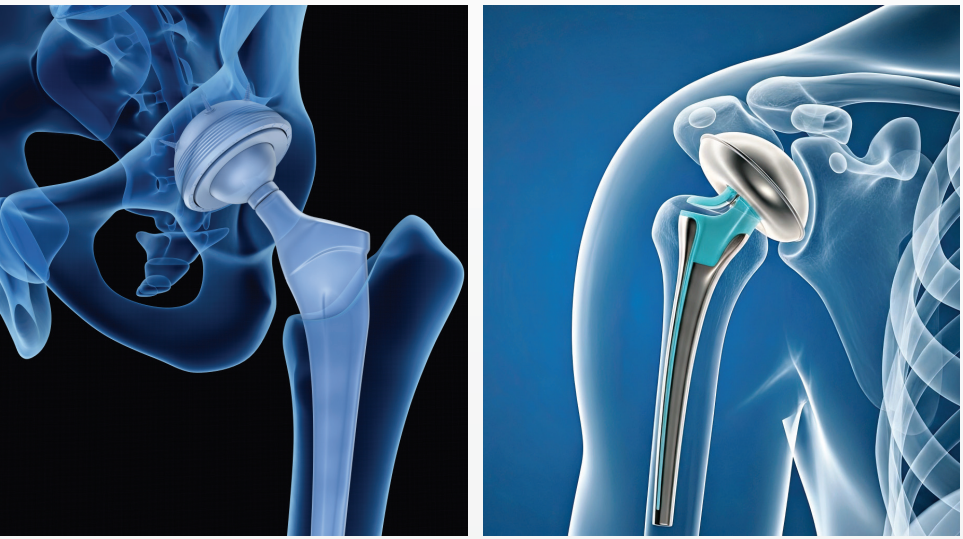


HIGH PERFORMANCE CARBIDE END MILLS



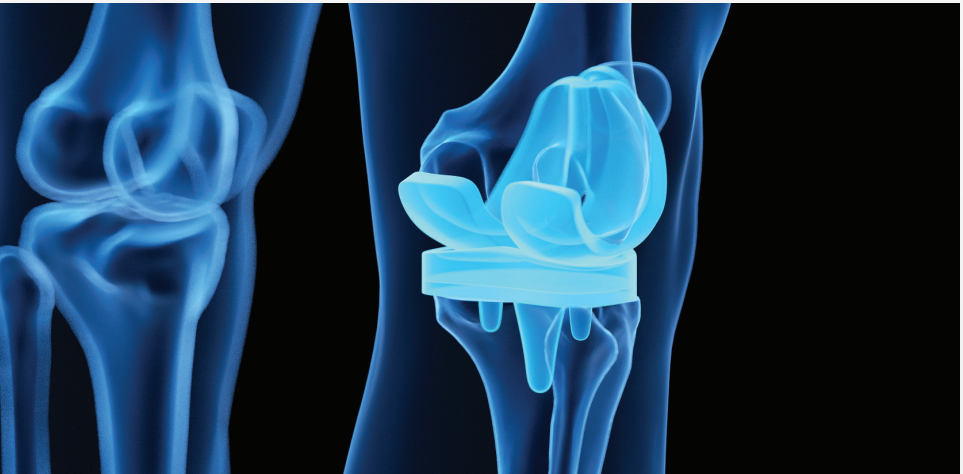
MEDICAL INSTRUMENTS

Nachi End Mills are designed to provide precise and efficient machining of various medical instruments, offering exceptional performance across a range of demanding materials. Featuring superior wear resistance and durable cutting edges, these end mills ensure consistent, high-quality results. The advanced coatings applied to each tool help to significantly reduce heat buildup during machining, promoting better surface finishes and reducing the risk of thermal damage. With extended tool life, Nachi End Mills deliver reliable performance even in the most challenging conditions, making them the ideal choice for the production of intricate medical components that require precision, durability, and efficiency.



MEDICAL IMPLANTS

Nachi high-performance End Mills deliver superior machining results for orthopedic implants made from demanding materials like titanium and cobalt chrome. Designed to eliminate chatter and enhance tool life, our End Mill lines ensure smooth, precise cutting with extended durability. These advanced tools maintain tight tolerances and support the production of safe, long-lasting implant components, even under the toughest conditions.



AQUA V MILL SERIES

CARBIDE AQ Mill 41°/42° 4/5 G H6 3 - 20 mm
Tool Material Coating Variable Helix Flutes Gash land Shank Dia. Tolerance Diameter Range

APPLICATIONS



TIBIAL COMPONENTS



FEMORAL COMPONENTS



ORTHOPEDIC SURGERY INSTRUMENTATION

Available Lengths:

1D - 6.5D



Nachi Aqua V End Mills are available in Square End, Corner Radius, Ball Nose, and Neck Relieved Options, delivering superior performance in precision machining of hard materials commonly used in medical manufacturing.



Scan to View Brochure

Featuring advanced geometry and coating, they provide excellent surface finish, high wear resistance, and efficient chip evacuation.

BURRLESS MILL SERIES

CARBIDE REVO M DLC-REVO 45°/47° G 4 H6 6 - 20 mm
Tool Material Coating Variable Helix Gash land Flutes Shank Dia. Tolerance Diameter Range

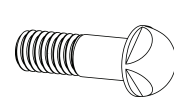
APPLICATIONS



TIBIAL COMPONENTS



HIP IMPLANT COMPONENTS



MEDICAL FASTENERS

Available lengths:

2.5D



Nachi Burrless End Mills are designed to prevent burr formation and reduce secondary finishing operations.



Scan to View Brochure

The advanced cutting geometry and coatings deliver smooth edges and precise details, enhancing productivity and part quality.

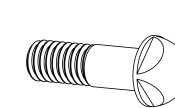
ALH MILL SERIES

CARBIDE 45° 3 H6 3 - 20 mm
Tool Material Helix Angle Flutes Shank Dia. Tolerance Diameter Range

APPLICATIONS



INSTRUMENT STERILIZATION TRAYS



MEDICAL FASTENERS



RADIATION ONCOLOGY EQUIPMENT

Available Lengths:

1D - 6.5D



Nachi ALH Mills are available in Square End, Corner Radius, Ball Nose, and Neck Relieved Options, offering high performance machining with reduced material adhesion, and efficient chip evacuation.



Scan to View Brochure

Optimized for non-ferrous alloys, they provide consistent surface finish and reliable performance.

AQUA REVO MILL MICRO SERIES

CARBIDE REVO M 30°/39° 2/4 Gash land Sharp Corner H6 1 - 2.5 mm
Tool Material Coating Variable Helix Flutes End Type Shank Dia. Tolerance Diameter Range

APPLICATIONS



GENERAL MEDICAL INSTRUMENTS



MEDICAL TUBING



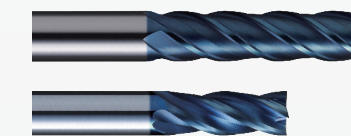
CANNULATED SPINAL SCREWS

Available lengths:

1.5D

2.5D

4D



Nachi Aqua Micro Mills excel in fine detail machining with exceptional precision and tool life.



Scan to View Brochure

Engineered for small features in hard to machine materials, they deliver clean finishes and accurate dimensions essential for producing intricate medical components.

NACHI

NACHI AMERICA INC.




Founded in 1962 and based in Greenwood, Indiana, Nachi America Inc. serves as the North American headquarters of Nachi-Fujikoshi Corp.

Fusing the world-class engineering expertise of Nachi-Fujikoshi with American innovation, we proudly manufacture cutting tools for many applications and industries at our facility outside of Indianapolis, Indiana. Starting with patented Nachi-made carbide and steel, utilizing Nachi-built machines and robotics for precision grinding, and finishing with advanced Nachi-developed coatings, every step reflects our dedication and passion for performance and quality, to you, and our mission: *Contributing to the Progress of the World of Product Manufacture.*

We are passionate about enhancing your processes with products and machines designed for every stage of manufacturing, and we are looking forward to working with you and your team.


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