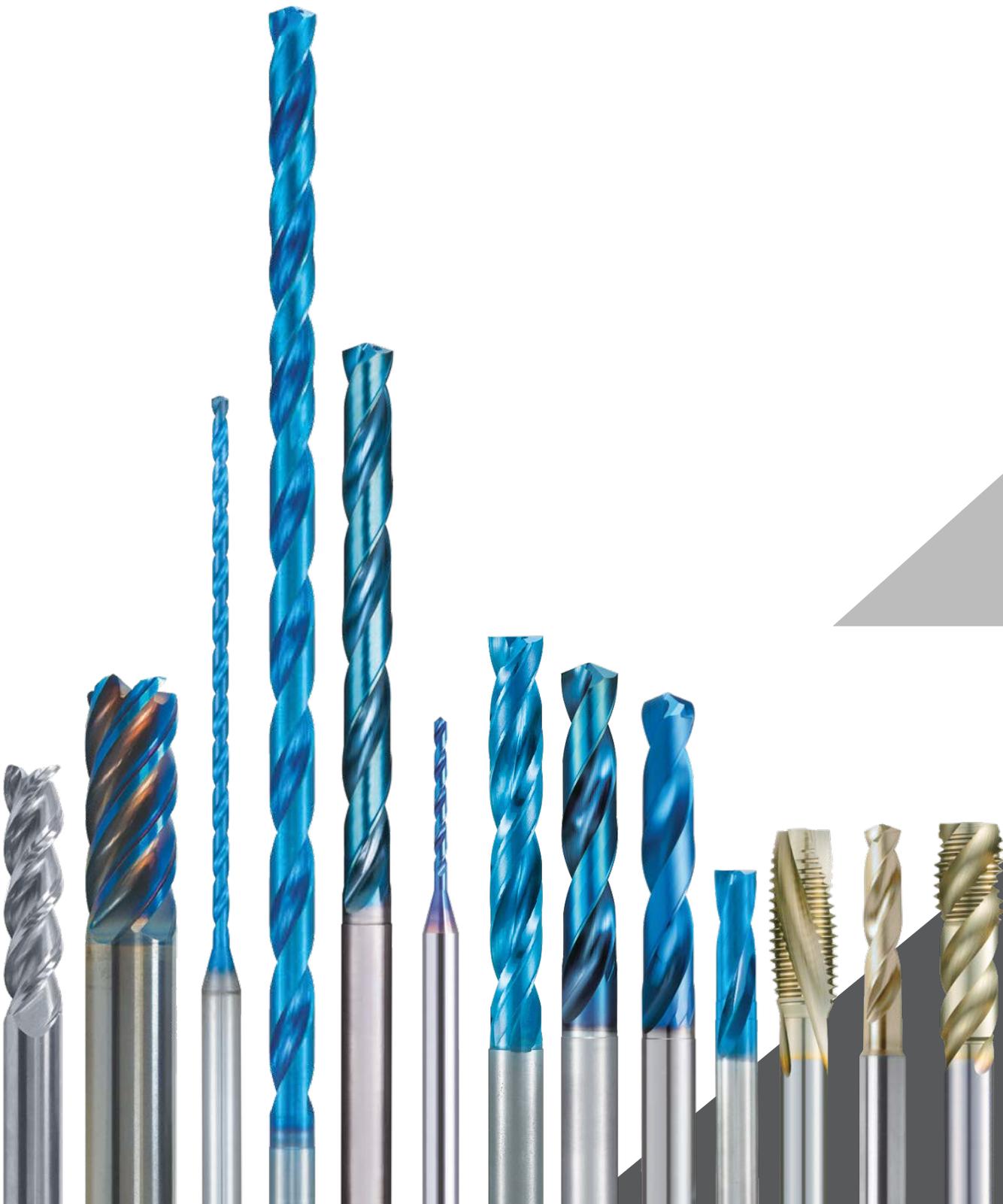




**NACHI**

# **CUTTING TOOLS LINE CARD**



# CUTTING TOOLS

## AQUA REVO DRILLS



Aqua REVO carbide drills are designed to improve all facets of drilling. Its unique design performs at a high level at various speeds and feeds in a wide range of materials. An all-new substrate, geometry, and coating provide long tool life, even at heavier feed rates. REVO is offered in solid carbide, coolant-thru carbide, and micro carbide options.



## AQUA EX FLAT BOTTOM DRILLS



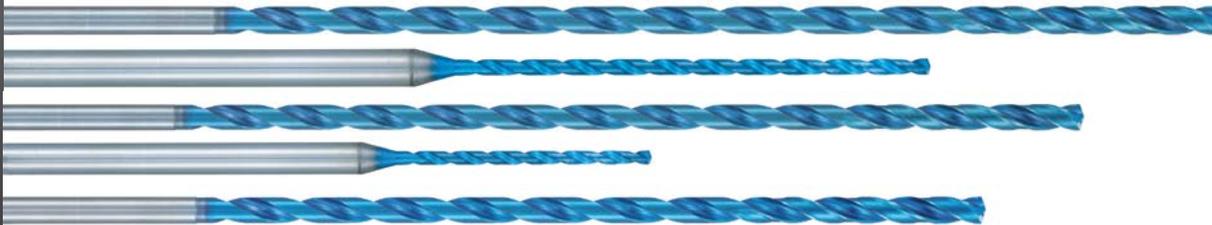
Flat bottom drills are available in a wide range premium performance styles and sizes, making Nachi the leading supplier in the market. Nachi flat bottom drills decrease process time, solve exit burr issue, and save on tooling cost thanks to their unique geometry and exclusive Aqua EX coating



## AQUA EX DEEP HOLE DRILLS



Designed to provide consistent, high-performance in mild, hardened, and stainless steels, as well as high-temp alloys; the unique J-shaped flute is designed to form small, easy to evacuate chips. Deep chip pockets, created by a double pass fluting process, provide optimized chip evacuation. Available in standard and micro diameters up to 40XD.



## BURRLESS TOOL SERIES



Nachi's new Burrless tool series uses innovation to provide burrless machining for drilling, milling, and tapping processes. The new design, combined with Aqua REVO and SG technology, provides burr-free machining, high efficiency, and long tool life.



## HIGH PERFORMANCE END MILLS



The Aqua V Mill series offers 4 and 5 flute options that are rated for a wide range of materials up to 45 HRC. The Aqua Hard Mill series is designed for materials of 45~70 HRC. The ALH Mill series is a 3 flute option specifically designed for aluminum - offering superior surface finish while decreasing aluminum adhesion on the cutting edge.

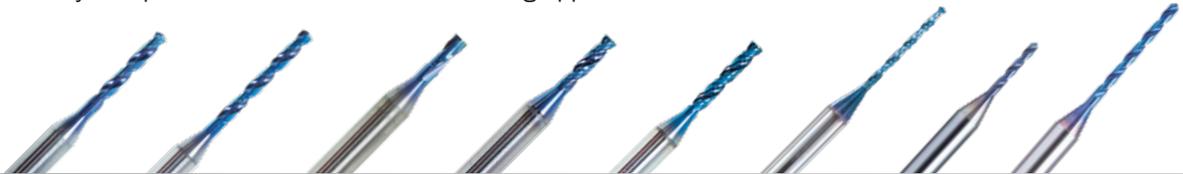


# CUTTING TOOLS

## HIGH PERFORMANCE MICRO DRILLS



Nachi's high-performance micro drill lineup includes the Aqua REVO Micro Drill, known for advanced technology, the Aqua Micro Drill, and the Aqua EX Oil Hole Micro Drills designed for efficient chip evacuation and cooling. These high-performance micro drills offer reliability and precision for small-diameter drilling applications.



## SG DRILLS & TAPS



A high performance powdered HSCO tool line coated with Nachi's proprietary SG coating, SG drills and taps are a perfect fit for applications where carbide is not cost effective and general purpose HSS drills do not provide enough accuracy. SG taps deliver high flexibility, stable machining, and efficient chip evacuation in a wide range of materials.



## HSS / HSCO DRILLS & TAPS



Nachi offers a wide range of general purpose HSS and HSCO drills and taps for various applications.



## CUTTING TOOLS TECHNICAL CENTER

Nachi has a state of the art cutting tools lab that facilitates various testing. It houses a Haas VMC equipped with 3 axis capability. We also have inspection equipment to test material hardness, measure surface finish, and take high-magnification pictures. We do research and development for new products coming to market. We also offer in-house testing for challenging customer applications.



## NACHI MANUFACTURING & REGRINDING PROGRAM

Nachi has US based manufacturing for standard drills and endmills along with custom step drills, form tools, etc. We have various grinding machines for different operations along with coating vessels and polishing equipment. In addition to new product, we also provide a regrinding service on all our standard carbide drills and endmills. Reground tools will be returned with original geometry and coating. We currently accept regrinds from  $\text{Ø}3.0\text{mm}$  to  $\text{Ø}20.0\text{mm}$  in diameter. 5 pc minimum is preferred, but we do accept down to 1 piece for Nachi products. The recent expansion of Nachi Tool America has more than tripled our manufacturing capacity for the North American market.



### CUSTOMER SERVICE

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