

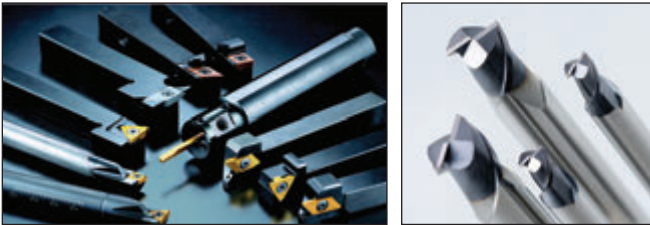


NTK CUTTING TOOLS USA
 A division of NGK Spark Plugs (U.S.A.), Inc.
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ABOUT US

Year Founded: 1936 in Japan
 1984 USA office opened

WHO WE ARE



NTK Cutting Tools is a Division of NGK Spark Plug Co., LTD. We develop and manufacture the industry's highest quality of advanced cutting tool products. NTK has a complete line of unique Swiss tool holders to couple with a variety of coated and uncoated insert grades giving users the confidence in the success of their manufacturing applications. Our company provides engineering and technical support to assist in the selection and development of the best tooling combination for your application along with unrivaled customer service.

MAJOR MARKETS

- Medical – Manufacturers of orthopedic implants and bone screws
- Aerospace – Military and commercial aircraft parts manufacturers
- Electronics – Parts manufacturers
- Automotive – Parts manufacturers
- Hydraulics – Parts manufacturers
- Power Generation – Parts manufacturers
- Fire Arms – Parts manufacturers

SERVICES OFFERED

NTK Cutting Tools has specialized Swiss tooling for turning, grooving, cut-off, threading, ID boring, and milling operations available in common metric and inch versions. Our coated and uncoated micro-grain carbide insert grades offer superior toughness, wear resistance, and sharp cutting edges to machine materials such as: Titanium, Chrome, Stainless steel, Steel, and Non-ferrous (Nitinol, PEEK, Brass, Copper, Aluminum, and Plastics)

Our Swiss tool capabilities include:

Thread Whirling System

NTK's Thread Whirling System forms multi-lead threads with single pass machining. Our patented technology creates precise inserts for your specific thread form. This capability is significant as the threads in the bone screw industry are becoming more complex.



Splash Series Holders

NTK's successful Splash Series coolant through tool holders improve insert tool life and the finish on machined surfaces. This series includes versions for front & back turning, cut-off, grooving/side turning, and boring; along with Y-axis holder options. Our Cut-off (CTDP-OH) accommodates a maximum bar stock diameter of 1 inch (25.4mm).

Super Tough ST4 Coated Carbide Inserts

The thick CrAlN coating provides the high hardness and oxidation resistance needed to solve issues related to machining materials like 304SS, 17-4PH, and Nitinol. High speed applications with ST4 show consistent results of stable machining, excellent finished surfaces and extended tool life.

Shaper Duo Series for Socket Machining

NTK's Shaper Duo system cuts into the material with up sharp corners creating less tool pressure than rotary broach machining. We offer inserts for hexagon sockets up to 12mm, square up to 8mm sockets, and hexalobular (6-lobe) socket machining inserts for T6 up to T30. The stick duo sleeve holders install in the back spindle of Swiss machines and are available in coolant through versions as well as a hyper design for insert overhang adjustment (a one time insert positioning feature ensuring repeatability.)

S-Mill Series of Carbide End Mills

The sharpness of the cutting edge on our end mills reduces the occurrence of burrs, produces remarkable surface finish and excellent tool life. S-mills are available in 2, 3, and 4 flute designs. These tools are ideal for side milling, slotting, and profiling in steel and stainless steel materials.

