

## Tooling Services



# CAPABILITIES & SERVICES

KYOCERA SGS Precision Tools (KSPT) is committed to providing superior tooling services in the areas of Reconditioning, Recoating, Regrinding, Specials, and Alterations. These services are offered in order to provide unique solutions and enhanced tool life with involvement from the KSPT Technical Support Team.

**RELY ON KSPT AS YOUR PREMIER RESOURCE FOR TOOLING SERVICES THAT DELIVER CUSTOMIZED AND CONSISTENT VALUE AT THE SPINDLE.**

## RECONDITIONING

KSPT has implemented reconditioning facilities throughout the world to extend tool life and durability. Millions of dollars have been invested in infrastructure, equipment, and technology to engineer an expedited supply chain to meet the most critical of requests.



## RECOATING

KSPT proprietary coating processes consist of multi-layer and graded coating techniques to produce low stress, high toughness coatings. Custom precision cleaning equipment assures consistent adherence and performance. Rigorous inspection and meticulous quality control ensure consistent product to be delivered in a timely manner.



Uncoated



Ti-NAMITE  
(TiN)



Ti-NAMITE-A  
(AlTiN)



Ti-NAMITE-B  
(TiB<sub>2</sub>)



Ti-NAMITE-C  
(TiCN)



Ti-NAMITE-M  
(TM)



Ti-NAMITE-X  
(TX)



Di-NAMITE  
(Diamond)



Amorphous  
Diamond



## REGRINDING

The benefit of regrinding is to reduce overall tooling costs while enhancing tool life. KSPT has global resources available to support your needs for both general purpose and high performance tooling.



BEFORE & AFTER

## SPECIALS

KSPT can create an optimal tool customized to your specific needs. Specialized high performance and general purpose tools are engineered to support all industries including Aerospace, Automotive, Medical, and Power Generation.

## ALTERATIONS

KSPT Specialty Group modifies tools to a variety of lengths and end configurations, catering to the most demanding of applications. Quick turn-around time and no minimum order requirement are what can be expected when tools are altered for specific applications.





### SOLUTIONS AROUND THE GLOBE

KYOCERA SGS Precision Tools (KSPT) is an ISO-certified leader of round solid carbide cutting tool technology for the aerospace, metalworking, and automotive industries with manufacturing sites in the United States and United Kingdom. Our global network of Sales Representatives, Industrial Distributors, and Agents blanket the world selling into more than 60 countries.

### LEADERS IN SOLID CARBIDE TOOL TECHNOLOGY

Brand names such as Z-Carb, S-Carb, V-Carb, Hi-PerCarb, Multi-Carb have become synonymous with high performance tooling in the machining and metalworking industry.

We're proud to have pioneered some of the world's most advanced cutting technology right here on our Northeast Ohio manufacturing campus. KSPT high performance end mills, drills and routers are increasing productivity and reducing cost around the world.

### EXCEEDING CUSTOMER EXPECTATIONS

As the world's manufacturing needs change, so does KSPT. It's all about the science, starting with our lab inspected substrate materials to our tool designs and coatings. Our exceptional team of researchers, engineers, and machinists are dedicated to developing the absolute best and delivering the ultimate value at the spindle.

- Incredible batch-to-batch consistency
- Metallurgical lab dedicated to testing and rigorous quality control
- ISO-certified quality procedures
- Patented geometries that extend tool life, reduce chatter, cut cycle times, and improve part quality—even at extreme parameters
- Specialists in extreme and demanding product applications
- Comprehensive tooling services
- Experienced Sales Engineers who work to optimize a tool for your particular application
- Dedicated multi-lingual customer service representatives

[www.kyocera-sgstoool.com](http://www.kyocera-sgstoool.com)

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