



Global Innovation Center



www.kyocera-sgstool.com

ISO 9001 Certified



INNOVATIVE CUTTING TOOL TECHNOLOGIES

KYOCERA SGS Precision Tools is focused on providing innovative and specialized tooling solutions.

The Global Innovation Center is an environment conducive to innovation. Through testing and development, the dedicated KSPT team focuses on the latest technical competence and machining techniques to bring a continuous stream of new products and advancements to market.

CUTTING EDGE EQUIPMENT

- High speed videography providing analysis of the cutting process
- Dynamometers to analyze cutting forces
- Highly Engineered Technology
- Tool Studio and Virtual Grind Pro software to generate 3D cutting tool models
GibbsCAM, Mastercam, EdgeCAM for generation of high feed tool paths

TECHNICAL TRAINING & EDUCATION

KSPT continually exceeds industry standards by providing technical knowledge and education about markets, applications and materials in many of its globally recognized training programs.

Our knowledge-based selling programs are specifically designed to challenge and educate by facilitating programs that mix classroom presentation with hands-on experience. Our own KSPT team members go through the same core training we provide to our valued distribution partners.



Incorporation of innovative machine tool technology for Research and Development including the Haas VF3SS-30/VM3-30 (15,000 rpm) and Makino F8-50 (10,000 rpm)



FLIR thermal imaging camera for heat evaluation



Scanning Electron Microscopy (SEM) to analyze materials, coatings and cutting tools



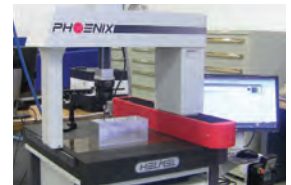
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APPLICATION ENGINEERING

KSPT has a dedicated technical team with a heightened aptitude for materials, applications and customer-centered solutions within the high performance machining industry.

The KSPT expertise and global market knowledge allows us to translate customer needs into a commercial sales strategy. The portfolio of KSPT products and services offer an unparalleled track record in performance, cost savings, quality and Value at the Spindle®.

- Market Driven Productivity improvements like the Z-Carb HPR for high volume metal removal rates in aerospace applications
- Tooling Solutions
 - Development of new tool geometries, coatings and substrates*
 - Extensive field testing through sales engineers*
- Technical Support and Troubleshooting



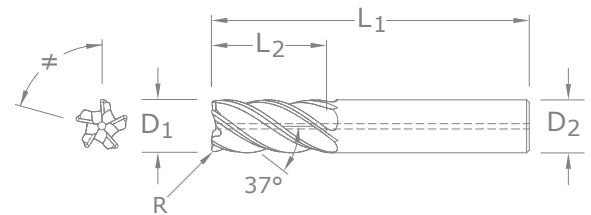
Extreme lab testing parameters proving performance to instill confidence with sales force and customers

PRODUCTIVITY IMPROVEMENT

The capacity to engineer better tooling is a necessity in an industry where technological advancements in machines are outpacing the advancement in tooling. KSPT takes it one step further.

Our Engineering team is dedicated to continuous improvement and optimizing machining parameters. We test materials, tools, applications and coatings and engineer designs for improvements and operational advancements.

- Ability to replicate end user process in lab ensuring alignment in a production setting
- Multiple tool holding and three vertical machine centers with varied capabilities up to 50 horsepower to closely emulate end user operations



LEARN. APPLY. EXCEL.

SOLUTIONS AROUND THE GLOBE

KYOCERA SGS Precision Tools 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 Field Sales Engineers who work to optimize a tool for your particular application
- Dedicated multi-lingual customer service representatives

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