

Comprehensive Machining Services

From prototype to mass production



Machine Center Advantages

- Prototype and Production Runs
- Design Verification
- Complex Shapes
- No Tooling Costs/
Low Set Up Charges
- Rapid Turn Around Time
- Precise Tolerances
- Wide Range of Ceramic
Materials Available

CoorsTek, a recognized world leader in the manufacture of technical ceramics for over 80 years, has established a Precision Machining Center for forming both unfired ("green") and fired ceramics.

CoorsTek's Precision Machining Center is designed to provide cycle time reductions in ceramic prototyping and manufacturing. We are experts in ceramic engineering, fabrication and precision finishing.

State-of-the-art equipment allows CoorsTek to offer a variety of machining services including:

- **Unfired ("green")
Ceramic Machining**
- **Fired Ceramic Machining**
- **Laser Machining**
- **Lapping and Polishing**
- **Honing**
- **Dicing**
- **Surface Grinding**

COORSTEK
Amazing Solutions.

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CoorsTek's precision machining equipment has the capability to process a wide range of sizes and configurations.

Machining Chart

Machining Operation	Capacity	Typical Tolerances
Green Ceramic		
CNC 4 Axis Milling	40" x 20" x 20"	± 0.001"
Turning	14" Diameter x 48"	± 0.002"
Fired Ceramic		
CNC Universal Grinding	6" Diameter x 20"	± 0.0002"
CNC 4-Axis Jig Grinding	40" x 20" x 20"	± 0.0005"
Universal Grinding	13" Diameter x 36"	± 0.0002"
Rotary Surface Grinding	36" Diameter	± 0.0002"
Dicing	6" x 6" x 0.10"	± 0.001"
Honing	1" Diameter x 3"	± 0.00005"
Lapping	7" Diameter	± 0.0005"
Lasering	15" x 15" x 0.08"	± 0.002"
Polishing	6" Diameter	<0.5 µ-inch Ra

CoorsTek has the capability to machine a wide range of materials including:

- Alumina (85% to 99.5%)
- Cordierite
- Mullite
- Silicon Carbide
- Titanate Based Dielectrics (K=20 to K=85)
- Zirconia Toughened Alumina
- Zirconia

CoorsTek is proud of our reputation for providing excellent product quality, value, timely delivery, outstanding customer service and engineering support. When your components are critical to your success put our experience and vast resources to the test.



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