

Leaders in Advanced Technical Ceramics

CoorsTek is officially the world's largest technical ceramic manufacturer operating over 44 facilities in 14 countries on 4 continents (with the acquisition of Saint-Gobain's Advanced Ceramics in 2011.) .

From advanced material design and production to our varied forming & finishing operations, CoorsTek is vertical integrated throughout. CoorsTek also possess the wealth of knowledge in material science & ceramic manufacturing to support almost every industry in the global economy from semiconductor , automotive, defense, structural, fluid handling , electronics , electrical ,medical



With our headquarter based in Golden Colorado, US, we have gathered a strong R&D base to continuously push the limit of material science to come up with innovative products support all the different CoorsTek businesses worldwide.

Proven Supplier of Components for Front-End Semiconductor Capital Equipment

CoorsTek has supplied advanced ceramic components for top-level semiconductor capital equipment for decades. We continue to develop innovative material and processes for :

- Etch Lithography
- Wafer inspection Implant
- High-temperature – RTP, EPI
- CVD,PVD,ECP

Superior bonding tools for semiconductor assembly industry

For over four decades, Coorstek/Gaiser have served the semiconductor assembly industry with a variety of long-life, high-quality precision tools including:

Products portfolio includes

Capillaries for Ball Bonding and Ball Bumping

Fine Pitch and Ultra-Fine Pitch Capillaries

Wedge Bonding Tools, Aluminum & Gold Wire, and Ribbon

Die Collets and Vacuum Pick-up Tools

Parallel Gap Electrodes (PGE's)

Bonding Tools for the Disk Drive Industry

Dispense Nozzles for the Medical Industry

Specialty High Precision Job Shop

Combined Resources for Superior Products

Established in 1962, Gaiser originally collaborated with CoorsTek (established 1910) to invent the industry-changing ceramic capillary. Since then, both companies have served their segments of the semiconductor industry with a number of technical innovations leading to significant gains in quality and productivity.

In 2007, CoorsTek acquired Gaiser Tools Co (Ventura) and continues to infuse its vast R&D, materials and manufacturing experience to ensure the Gaiser brand remains a symbol of innovative, high-quality bonding tools.

Gaining access to Coorstek huge wealth of ceramic knowledge & manufacturing experience & expertise, adding to Gaiser's application knowledge & experience in the wire bonding arena, we formed a formidable combination to offer innovative high quality bonding tools to support the bonding industry.

Superior Quality & Operational Excellence

OpX is a combination of Lean Manufacturing Practices and Six Sigma Quality. Our signature OpX™ quality and manufacturing excellence system combines best-practice methods including lean manufacturing, six-sigma and ISO-certification to ensure high-quality products, on-time delivery, and exceptional service.

Our Ceramics Laboratory is the Standard of the Industry.

Dedicated staff of ceramics experts and materials scientists working full time on the development of improved materials .
Full Range of Materials Measurement Capabilities

Powder Characterization, Chemical Composition, Purity , Physical, Mechanical, Sonic,Corrosion, Wear
Electrical, Microwave ,Thermal Failure Analysis ,Ballistic Performance

Copper Bonding Tools Products

Fine-Pitch Ceramic Capillaries

We invented the ceramic capillaries and continue to refine and improve our class -leading design with state-of -the -art process and material innovations.

A new GatorGrip CZRy material maintaining the superior tip finish that is extra tough & rough like the skin of a reptile, & provide extra durability for extended tool life beyond current expectations.