

**COORSTEK**  
*Amazing Solutions.*



**CAN** TOOLING



## ADVANCED MATERIALS FOR SUPERIOR CAN TOOLING COMPONENTS

### The Leading Manufacturer of Ceramic Can Tooling

CoorsTek is internationally recognized as a leader in the development and use of ceramic technology. Manufactured in a state-of-the-art facility in Golden, Colorado, our advanced ceramic tooling components increase yields, improve quality, and extend machine life in can making plants worldwide.

### Advanced Materials

CoorsTek offers a variety of materials including TTZ (Transformation Toughened Zirconia), Dura-Z™ Zirconia, YTZP (Yttria Partially-Stabilized Zirconia), and High-Purity Alumina. CoorsTek Ceramics outperform both steel and carbide in specific can manufacturing applications.

### Ceramic Stripper Tooling

CoorsTek Spring-Loaded Ceramic Fingers outperform carbides, exhibit extremely long-life, and eliminate chatter marks and scratches.

- Wear resistant – superior product life
- "Velvet touch" will not mark can bodies – smoother, softer, and lower friction than carbide.
- Low Maintenance – built in flushing system makes the entire assembly self cleaning. Infrequent diamond polishing of fingers is typically all that is required to completely restore.

CoorsTek Ceramics Stripper Tooling has been designed to handle all makes of body makers including Reynolds, Ragsdale, Standun, and CMB.

### Ceramic Herringbone for Washers and IBOs

CoorsTek Ceramics provide exceptional performance for herringbone applications:

- Hard – Superior abrasion resistance compared to steel
- Corrosion resistance – highly resistant to the acids and bases used to clean cans
- Low friction – reduces drives loads, thus reducing bearing and gear wear for longer washer and IBO drive life

CoorsTek Ceramic Herringbone is available for Cincinnati, Reynolds, and other washers. We provide herringbone for FECO and all other makes of IBO's.

### Ceramic Necker Tooling

CoorsTek Hot Isostatically Pressed (HIPped) Zirconia Necker Tooling outperforms Carbide in several ways:

- Low-friction – avoids wrinkling, puckering, and splitting flanges
- Dense – HIPped zirconia has no surface voids to collect buildup.
- Corrosion resistance – impervious to corrosive wear
- Low maintenance – residues that can appear after long run periods can be easily clean off with mild caustic.

CoorsTek offers HIPped zirconia for necking tool applications both as finished dies and unfinished die blanks.

### Ceramic Printer Mandrels

Developed and patented by CoorsTek, our ceramic printer mandrels are simply the longest lasting mandrels available.

- Extremely hard and wear resistant – capable of running over ten years.
- Highly polished, low-friction surface – faster loading.
- Low thermal expansion coefficient – dimensionally stable over wide range of plant temperatures.
- Easy maintenance – infrequent cleaning and bearing change restores the mandrels to original condition

Our engineering experts will assist you in selecting the best material and design configuration to meet your particular requirements.



CoorsTek ceramic components provide extremely reliable performance



Quick-Turn  
Prototyping and  
Manufacturing