

BULLEN ULTRASONICS, INC.

For more than 35 years, Bullen Ultrasonics, an industry leader in the machining of hard, brittle materials has been enabling high technology companies to solve their most technically challenging problems. Contact Bullen today, and learn what Ultrasonic Machining can do for you.

WHO WE ARE

▶ Serving:

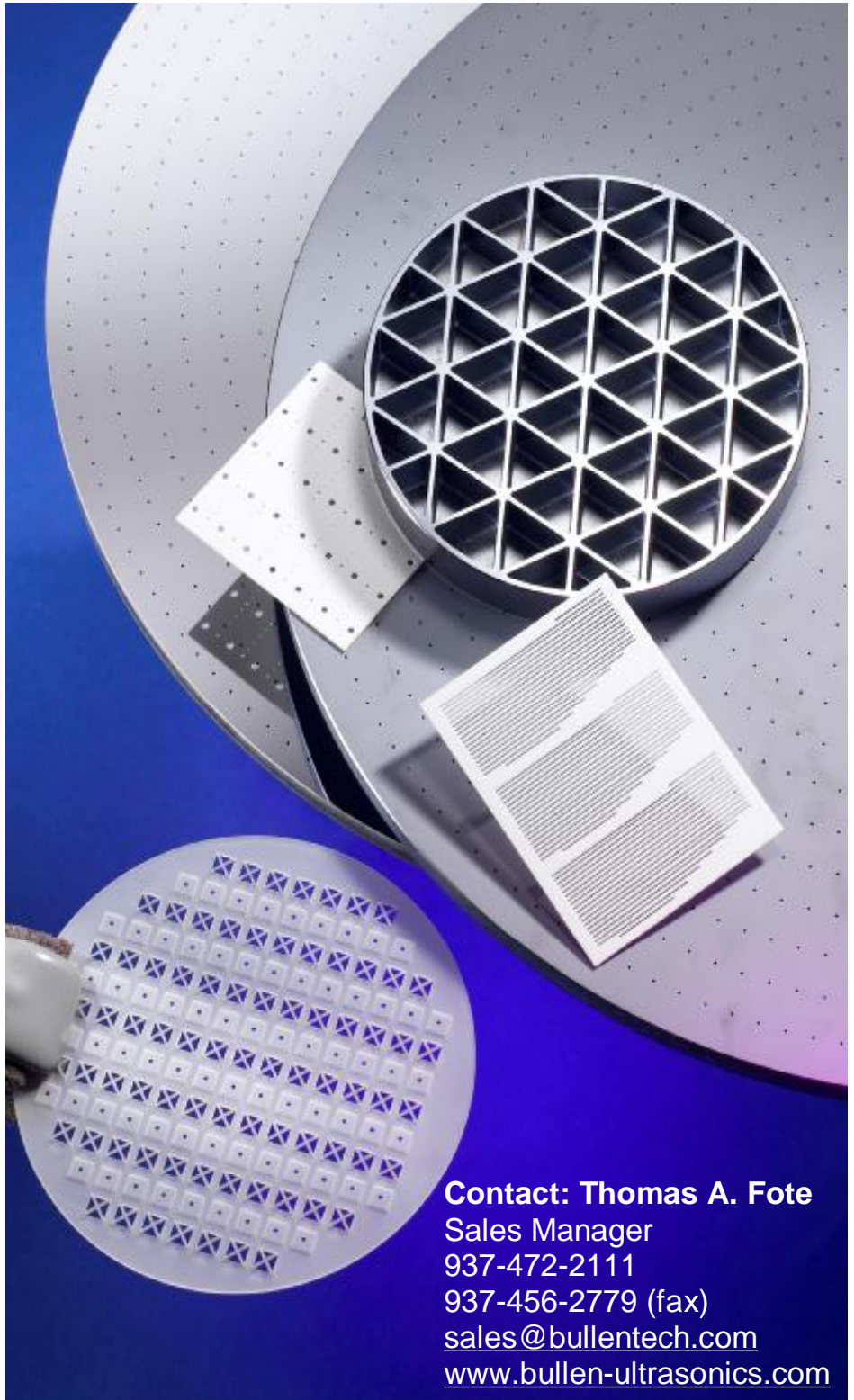
- Medical/Biomedical
- Automotive
- Semiconductor
- Military/Defense/Aerospace
- MEMS(Sensors, Microfluidics)
- Structural Ceramics

CAPABILITIES

▶

- Precision micro features down to 250 μm , smaller possible depending on material and feature tolerances.
- Tolerances to +/- 50 μm on features size, location and cavity depth
- State of the art metrology equipment to ensure the exacting requirements of your design are met.
- From Prototype to Production

Precision Machining of Advanced
Technical Ceramics, Glass,
Sapphire, Quartz, Alumina and other
hard, brittle materials.



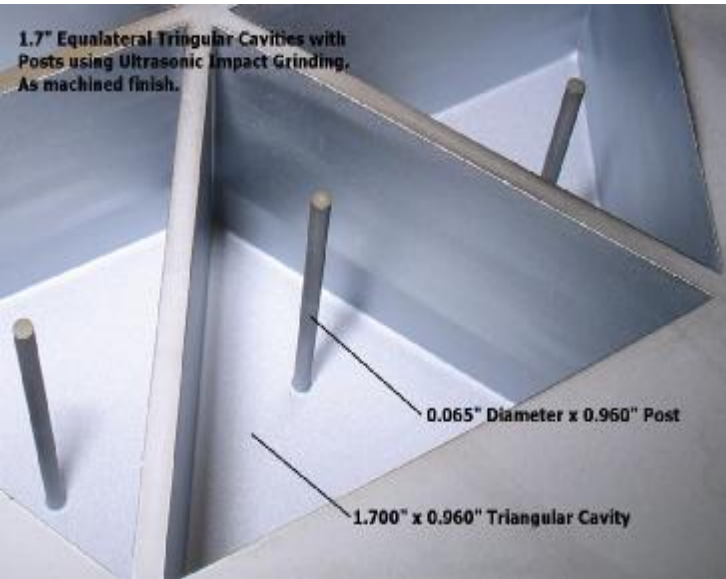
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Solutions Enabling Technologies to Advance

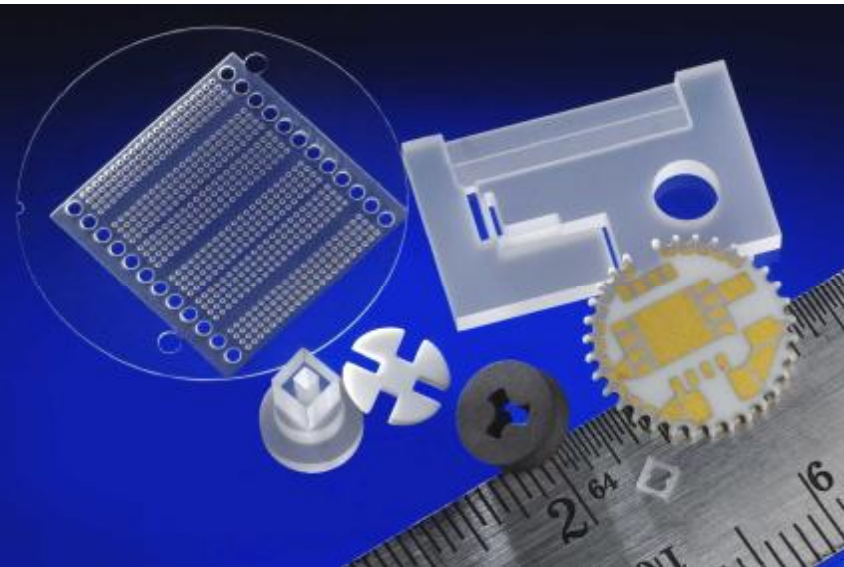
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Materials



- Alumina
- Aluminum Nitride
- Technical Ceramics
- CVD Silicon Carbide
- Glass
- Silicon
- Quartz
- Silicon Nitride
- Sapphire
- Piezoceramics
- Yttrium Oxide
- Ferrite

Precision Parts



- Wide range of features including round, square or odd shaped thru holes and cavities down to 250 μ
- Precision tolerances to +/- 50 μ
- Accurate alignment to existing features or metallization
- Able to machine a wide range of part shapes & sizes.

Benefits

- Non-thermal, non-chemical and non-electrical process leaves the chemical & physical properties of the work-piece unchanged.
- Able to machine multiple features simultaneously aids in economics of your design and final product.
- Superior machining method for high reliability applications
- No Heat Affected Zone or laser slag



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