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Advanced Ceramics for High-Tech Industries

PRECISION CERAMICS FOR THE HIGH-VACUUM

Structural parts & Electrical Insulators
- Alumina, sapphire, zirconia, SiC
- Quartz, glass, Macor™
- High-precision custom-made components
- Clean-room compatible

Ceramic-to-metal & Glass-to-metal feedthroughs
- Alumina / glass insulators
- Kovar, stainless steel, molybdenum...
- High voltage & high-current compliant
- Leak tested to 10⁻¹⁰ mbar/l/sec

3D Interconnect Devices
- High-precision 3D ceramic carriers: alumina or aluminium nitride
- Thin-film PVD metallization
- Line width and insulation 60 µm minimum
- Fully wrap-over metallized patterns

Applications
- Mass spectrometers
- Surface analysis
- Vacuum measurement
- Magnetic Sensors
- Particle accelerators