



ADVANCED CERAMICS

Precision Machining - Microtechniques

Competencies

- Manufacturing of customized components
- Precision machining : high-precision grinding and ultrasonic machining, laser machining
- Laser micro-machining
- Vacuum thin-film metallizing
- Ceramic-to-metal assemblies



High performances ceramics

- Alumina (96 to 99,9 %)
- Zirconia (MgO and Y-TZP)
- Aluminium nitride
- Silicon nitride
- Silicon carbide, boron carbide
- Glass, quartz, Macor[®], sapphire
- Magnets, ferrites, dielectrics



High-tech applications

- Lasers and opto-electronics
- Microelectronics
- Aerospace
- Scientific & Analytical Instrumentation
- Semiconductor
- Medical Equipment



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