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""2.4.2. Micromills and Tooling Systems""; ""2.4.3. Machine Tools for Micromilling""; ""2.5. Product Quality in Micromachining""; ""2.5.1. Quality Challenges in Micromachining""; ""2.5.2. Burr Formation in Micromachining Operations""; ""2.5.3. Surface Quality Inspection of Micromachining Products""

""3. Application of Micro and Nanomachining""""3.1. Typical Machining Methods""; ""3.1.1. Diamond Turning""; ""3.2. Applications in Optical Manufacturing""; ""3.2.1. Aspheric Lens""; ""3.2.2. Fresnel Lens""; ""3.2.3. Micro-structured Components""; ""3.3. Semiconductor and Electronic Applications""; ""3.3.1. Semiconductor Wafer Production""; ""3.3.2. LSI Substrate Planarization""; ""4. Conclusion""; ""Acknowledgements""; ""References""; ""BA(TI,ZR)O3 - FUNCTIONAL MATERIALS:FROM NANOPOWDERS TO BULK CERAMICS""; ""Abstract""; ""1. State of the Art for the BaTiO3-BaZrO3 System""

""2. Preparation and Characterization of Ba(Ti,Zr)O3Nanopowders: Influence of the Processing Methodon the Structural and Morphological Properties""""2.1. Synthesis""; ""2.2. Formation Mechanism""; ""2.3. Phase Composition and Structure""; ""2.4. Morphology""; ""3. Preparation and Characteristics of Ba(Ti,Zr)O3 Ceramics: Effectof Composition and Grain Size on the Functional Properties""; ""3.1. Ceramics from Powders Prepared by Classical Solid State Reaction""; ""3.1.1. Phase Composition and Microstructure""; ""3.1.2. Dielectric Properties""

""(a) The effect of frequency on the dielectric data for the BaTi0.9Zr0.1O3 ceramics sinteredat different temperatures (size effects)""
