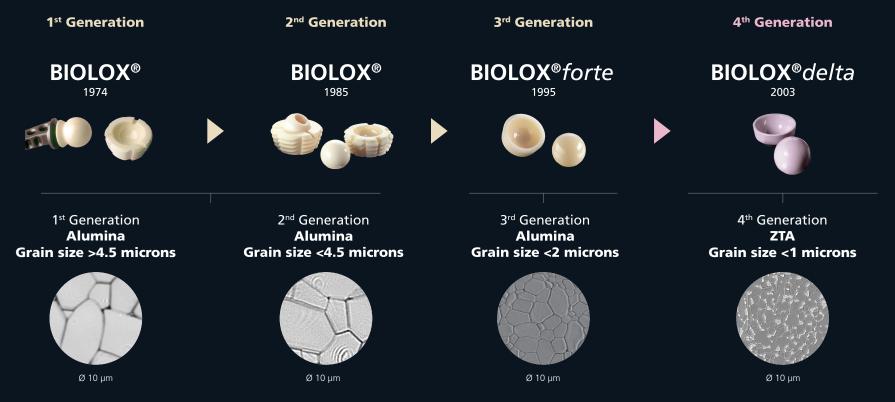
Evolution

of Ceramic Materials





- The very first BIOLOX® alumina components manufactured by CeramTec were implanted by Dr. Mittelmeier in 1974. Throughout the years, each subsequent generation of BIOLOX® ceramics was improved to increase product reliability with major advances in component geometries, refinement of the raw material, fewer impurities, and smaller grain size.
- The manufacturing process of the third generation BIOLOX® forte was improved by introducing Hot Isostatic Pressing (HIP) for full densification.

Furthermore, laser marking for traceability and 100% component proof testing were implemented in order to detect any flaws that might impact the product performance or lifetime.

• In 2003, a new pink generation of medical grade ceramic was introduced: BIOLOX® delta, a zirconia toughened alumina (ZTA) composite that offers new possibilities in orthopaedics.

