

3Dpro·zir[®] Ultra



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3D Pro zir Ultra

World Class Leader of Dental Multilayer Zirconia

Fast sintering | Aesthetic Bionics
Triple gradient of color, translucency and strength

■ Everyone with a healthy and beautiful smile

Product advantage »

3D Pro zir Ultra perfectly combines high-efficiency machining speed with outstanding aesthetic characteristics, achieving a harmonious unity of speed and aesthetics.

It is manufactured with Aidite's most advanced production technology and is a 5Y + 4Y gradient zirconia material. It can achieve superior aesthetic effects while ensuring high strength. The colors are precise, the transitions are natural, and it has a highly aesthetic bionic effect.

It boasts excellent sintering performance. When paired with Aidite's CSF-400 rapid sintering furnace, it can achieve fast sintering. The fastest sintering can be completed within 49 minutes, which greatly shortens the sintering time of zirconia materials, improves the sintering efficiency and enables quick delivery.



Fast sintering

49min fast sintering, shortening the shipping cycle and patient waiting time.

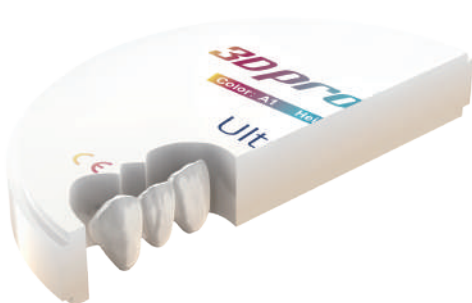
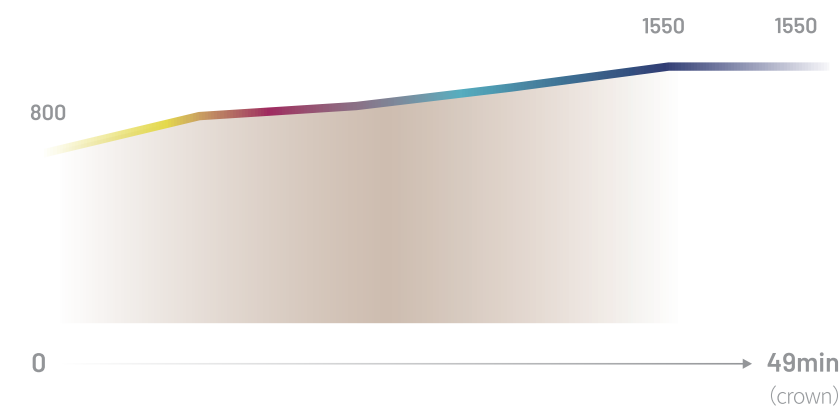
High translucency 57%-43%

Natural gradient of translucency, with the translucency of natural teeth.

High strength: 800-1100MPa

High flexural strength, safer and more reliable under fast-sintering conditions.

49min fast sintering curve »

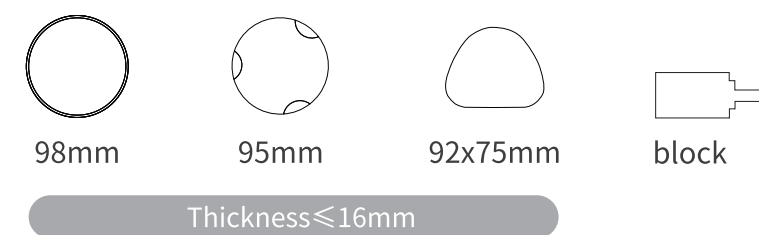


Shades »

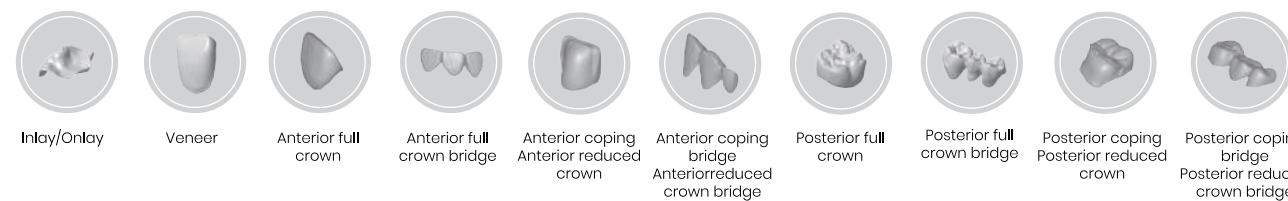


Parameters and application systems »

Translucency (%)	43-57
Flexural strength (MPa)	800-1100
Sintered density (g/cm³)	≥6.0
Fracture toughness (MPam ^{0.5})	≥5
Vickers hardness (HV10)	≥1250
Chemical solubility (μg.cm ⁻²)	≤100
Coefficient of thermal expansion (CTE 25-500°C) (K ⁻¹)	(10.5±0.5) *10 ⁻⁶



Indications »



Note: The length of the above crowns and bridges should be within three units, including implant crowns and bridges.

Parameters and application systems »

3D Pro zir Ultra material carries Aidite's years of digital processing experience and is a representative of digital materials. From the the initial intraoral scan to the final restoration, We have validated the workflow of materials and equipment throughout the process. Aidite serves customers with less manual participation, higher processing efficiency, better delivery standards, and timely, high-quality and efficient service system



Fast Sintering Solution »

3D Pro zir Ultra is a gradient zirconia material that can be rapidly sintered. In conjunction with the CSF-400 fast sintering furnace, it is capable of completing the sintering process within 49 minutes, which significantly reduces the sintering time of zirconia materials. Meanwhile, it can ensure that the restorations have superior aesthetic effects, balancing speed and aesthetics and providing a solid and powerful guarantee for the rapid delivery of products.



Bionic Dyeing Solution »

When paired with Aidite Biomic stain&glaze Paste , it paves a convenient and efficient staining route for technicians. The kit contains 2D color paste and 3D paste, which can maximize the aesthetic effect, and also enable the fine carving and precise adjustment of the tooth morphology, achieving an aesthetic restoration effect similar to that of natural teeth and comprehensively meeting the stringent requirements for dental aesthetic restoration.



Veneer Bonding Solution »

When combined with Biomic LiSi Connect, surface modification of zirconia materials is accomplished through glass fusion technology. The lithium disilicate coating is tightly bonded to the zirconia material in a penetrating manner, which remarkably enhances the bonding strength without affecting the clinical seating, thereby realizing a better clinical application of zirconia as a veneer restoration material.



Case »

