Aizir
– Just glaze it –



Aidite



All indications I High stability
Simplified process

Aidite

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Everyone with a healthy and beautiful smile

Product advantage

Aizir

Aizir represents Aidite's most advanced R&D and production level, integrating several patented technologies in one disc, meanwhile meeting the full range of indications. It has larger systematic processing, a wider sintering temperature range, and an increased stable three-dimensional gradient effect.

Aizir will uphold the mission of "Everyone with a healthy and beautiful smile" and redefine all-ceramic prosthetic materials.



17 years

Aidite has 17 years of experience in the development and production of zirconia, with stable material performance.

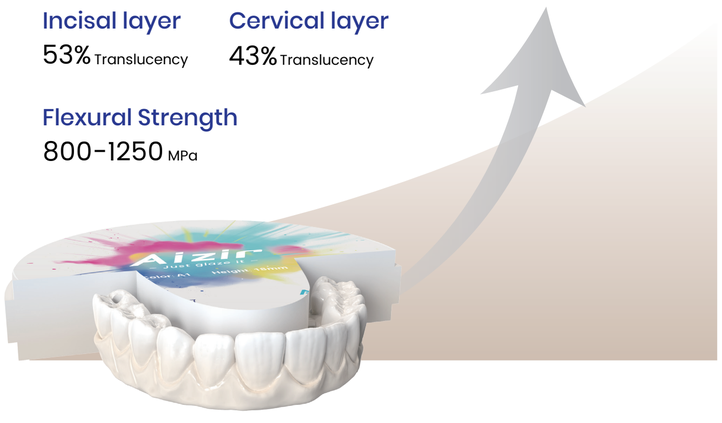
2 h

On the basis of realizing rapid sintering, Aizir is compatible with many kinds of Aidite zirconia materials (such as SHT-PC, SHTM) to achieve simultaneous sintering of multiple materials.

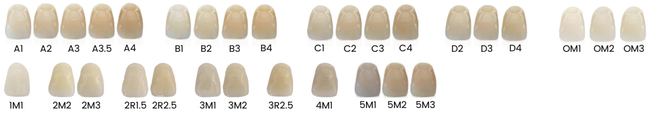
Incisal layer
53% Translucency

Cervical layer
43% Translucency

Flexural Strength
800-1250 MPa

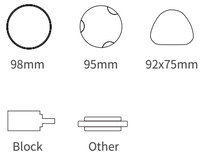


Shade and dimension



Parameters and application systems

Coefficient of thermal expansion(CTE 25-500℃)	(10±0.5)×10^{-6}K^{-1}
Chemical solubility	≤100μm.cm^{-2}
Fracture toughness	≥5 MPam$^{0.5}$
Sintered density	≥6.0g/cm^3
Vickers hardness	≥1250HV10



Indications

Recommended



Applicable



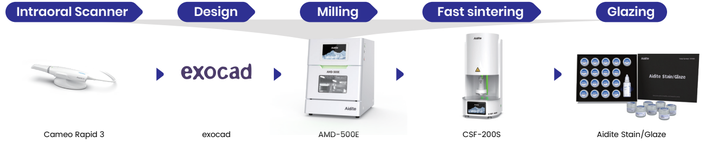
Applicable but not recommended



Note: The above crown and bridge restorations all include implant restorations.

Digital work flow

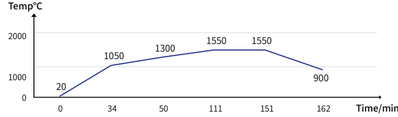
Aizir is an incredible material, which can be used in the above systems, but it is also part of an entire digital workflow. From the intraoral scan to the final restoration, Aidite has validated workflows with equipment and material for the whole process. Aizir enables faster production cycles and superior outcomes while offering comprehensive technical and engineering support 24 hours a day, 7 days a week globally through our dealers and direct channels. With Aizir, you are not just purchasing any ordinary zirconia disc, but investing in a part of a wider dedicated system, benefiting the whole dental team and their patients. Dentists are sure to need it once they find out how different it is.



Sintering curve

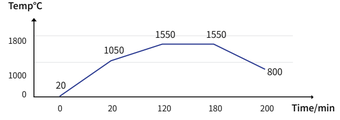
Below 3 units bridge(2.7h)

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp	Phase 3 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20℃	30℃/min	1050℃	10℃/min	1300℃	5℃/min	1550℃	40min	60℃/min	900℃



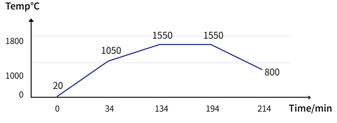
Below 6 units bridge (3.4h)

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20℃	51.5℃/min	1050℃	5℃/min	1550℃	60min	37.5℃/min	800℃



Below 6 units bridge (3.57h) (Suitable for CSF-200, AGT)

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20℃	30℃/min	1050℃	5℃/min	1550℃	60min	37.5℃/min	800℃



Above 7 units bridge (11.5h)

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Holding time	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20℃	5℃/min	900℃	30min	3℃/min	1530℃	120min	8℃/min	300℃

