



Technology Creates the Best Smile.



Chengdu Besmile Medical Technology Co., Ltd.
www.bsmdental.com
T: +86-28-85317108
E: info@cdbesmile.com

Besmile Dental America Inc.
20311 Valley Blvd, Suite# I, Walnut, CA 91789
T: (626)921-5798
E: admin@bsmdentalus.com



3D Ultra

Premium Aesthetics, Unmatched Performance

The new generation of Aconia 3D Multilayer

The new generation of Aconia 3D Multilayer perfectly meets all your zirconia needs with innovative raw materials, unique Aconia 3D Multilayer technology, integrated with over 10 years of zirconia R&D and advanced manufacturing. Aconia's proprietary 3D Multilayer technology features a **distinctive interleaved layer structure** with seamless gradients in shade, strength and translucency for **a natural 3D effect**.

✓ Consistent aesthetic results

A flexible sintering range of 1520°C to 1560°C gives you the freedom to achieve stable, reliable outcomes every time.



✓ Glaze n' Go!

No stain needed, accurate shading and seamless 3D effect guarantee natural-looking restorations.



✓ Efficient sintering

High-speed sintering (2 hours) with shorter delivery time



✓ Peace of mind

Low deformation and high fracture toughness ($\geq 5\text{Mpa.m}^{1/2}$) ensure accurate, durable bridges, minimizing fractures and reducing case rework.



Interleaved Layer Structure

Layer-less structure, homogeneous inter-layer bond strength
Seamless gradients in shade, strength and translucency

Highly-translucent incisal part 20%

Progressively increased translucency with lifelike aesthetics
Harmonious with the natural tooth

Layer-free transition part ① 10%

Layer-free transition part ② 10%

Seamless transition from dentin to incisal
Natural shading and translucency towards the incisal area

CAM-friendly dentin part 40%

Easy to nest, free from worries of varying tooth lengths
Perfectly coordinated shade, strength and translucency

Layer-free transition part ③ 10%

Seamless transition from cervical to dentin
Flexural strength gradient towards the cervical area

High-strength cervical part 10%

Ideal stability in the cervical area
Reduced translucency for desired masking effect

Aconia 3D Ultra

Premium Aesthetics, Unmatched Performance

Aconia 3D Ultra is an ultra-translucent multilayer zirconia with optimal strength to create perfectly aesthetic restorations with consistent performance.



High-End Aesthetics:

Achieve the ultimate in natural-looking restorations, with superior translucency and shade gradients.



Strength and Beauty:

Engineered to provide optimal strength without compromising on aesthetic outcomes, ideal for discerning clients.



Premium Quality:

Manufactured to the highest standards, ensuring consistent performance and results you can trust.

55% Translucency

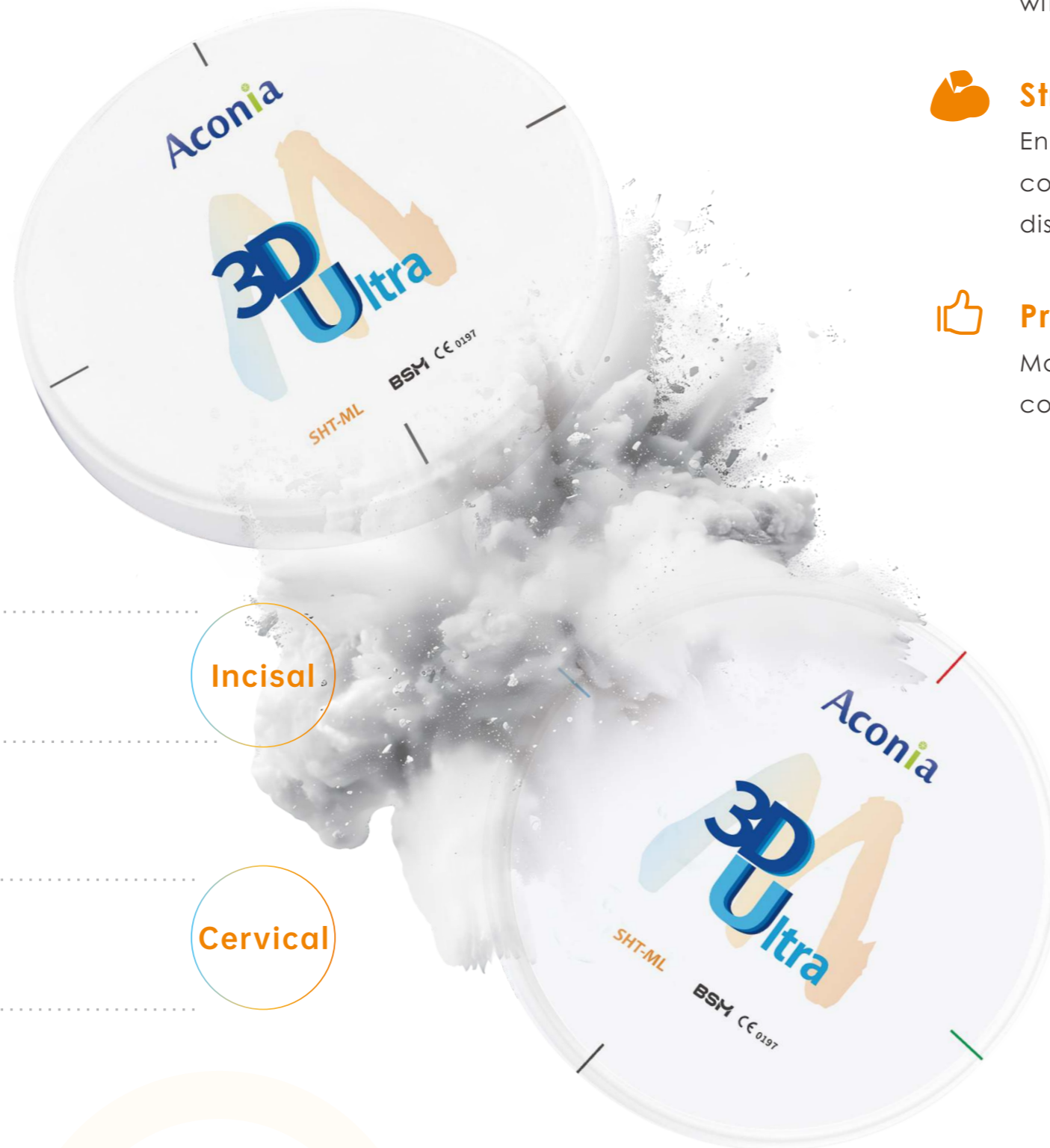
700 Mpa

45% Translucency

1100 Mpa

Incisal

Cervical



Digital Workflow

-Unparalleled Efficiency, Unimaginable Ease



Scanning

The BSM Scan intraoral scanner M3 and M5 collect visualized and simultaneous information of the patients within 10 minutes.



Designing

The Smile Cloud design center will provide the design service at your needs with fascinating design results.



Material Selection

Aconia 3D Ultra delivers the premium aesthetics with superior translucency and shade gradients, while at the same time maintaining optimal strength and consistent performance.



Milling

The BSM-500D is a 5-axis dry milling machine that produces high-precision zirconia restorations with 5 µm milling accuracy.



Sintering

The BSM-FC40 zirconia sintering furnace offers fast sintering with a capacity of up to 80 crowns sintered at a time.



Finishing

Artamic Stain/Glaze, with its wide range of shade systems, is designed to achieve the desired customization and characterization results for high-quality, aesthetic restorations.

Aconia 3D Ultra

Premium Aesthetics, Unmatched Performance

Technical Parameters

System	98.5mm, 95mm (customized) etc.
Shade	A1,A2,A3,A3.5,A4,B1,B2,B3,B4,C1,C2,C3,C4,D2,D3,D4,OM1,OM2,OM3
Disc thickness (Ø 98.5 mm)	12-25mm
Flexural strength (3-point)	700-1100 Mpa
Translucency	45-55%
Vickers-hardness HV10	1300±50
Sintered density	>6.02(g/cm3)
Fracture toughness	>5(Mpa.m ^{1/2})
Applications	-Veneers -Inlays&Onlays -Copings -Full contour crowns -3-unit full contour bridges -Full contour bridges (≤ 7 units) -Full contour bridges (≤ 14 units)

Ready to improve your workflow with Aconia 3D Ultra?
Contact our sales team for a trial now
or visit www.bsmdental.com