

The multipower & multilayer premium zirconia!

12
mm

14
mm

16
mm

18
mm

22
mm

25
mm

30
mm

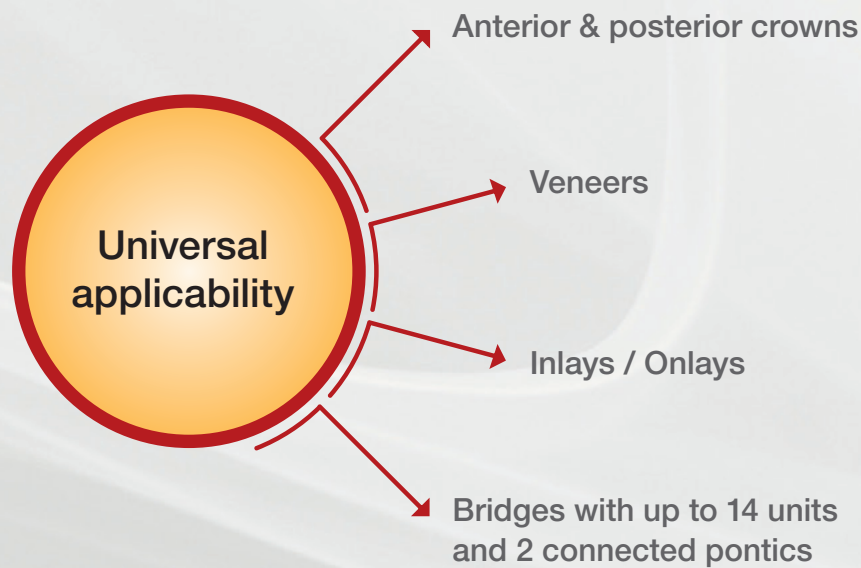


Supra



The multilayer zirconia for every challenge

SHOFU DISK ZR Lucent Supra combines high-strength zirconia varieties in an extremely powerful multilayer CAD/CAM material. Translucencies increasing from the cervical zone to the enamel zone and outstanding flexural strength of more than 1,000 MPa in all zones make it a premium restorative, ensuring superior stability and aesthetics for all indications – monolithic, partly or fully veneered. The 98 mm disks cover a wide range of indications in the anterior and posterior regions: from single crowns to 14-unit bridges with two connected pontics.



Perfect in every detail: Staining or layering for aesthetic optimisation



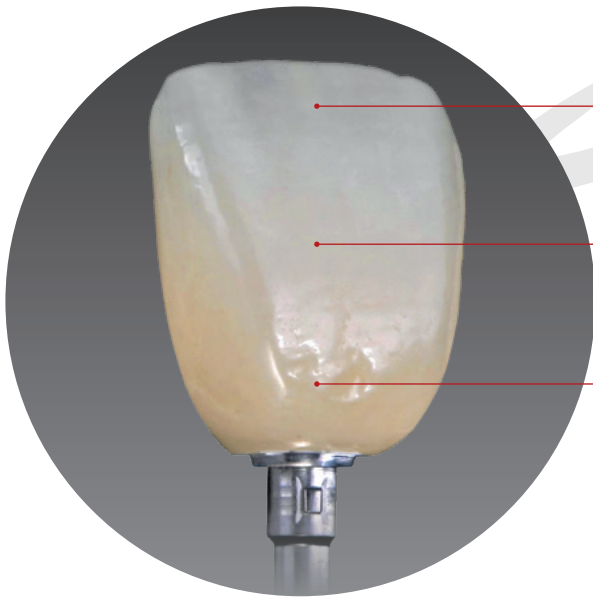
You can aesthetically optimise and seal a monolithic restoration made of SHOFU DISK ZR Lucent Supra with VINTAGE Art Universal stains and glazes as needed. If you wish to aesthetically perfect a reduced framework, you can complete the anatomical shape with VINTAGE ZR dentine and enamel materials.



Photos: Jun Iwata, DDS, PhD /
Restoration: Shinya Kuramoto, CDT, Iwata Dental Office, Japan

Perfect strength and naturality

Supra



- Enamel**
Flexural strength 1,034 MPa
Translucency 44 %
- Dentine**
Flexural strength 1,163 MPa
Translucency 40 %
- Cervical**
Flexural strength 1,454 MPa
Translucency 37 %

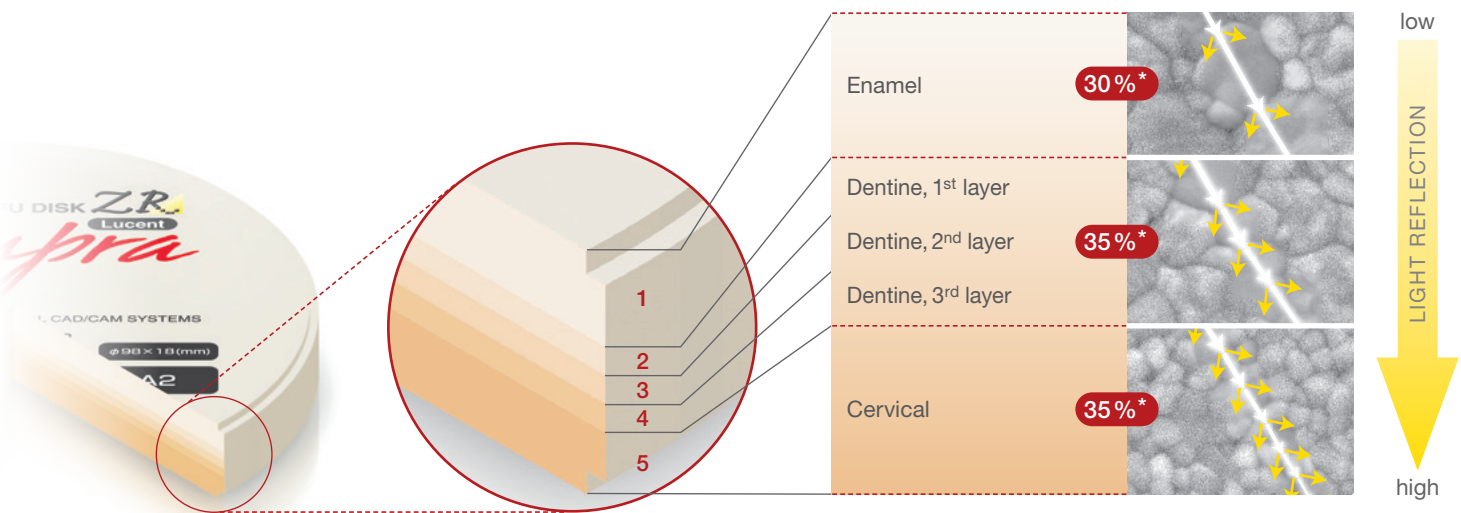
3-point flexural test (DIN-ISO 6872), translucency (JIS R3106:1998, shade A2)

Strength, translucency and **shade** are functionally arranged, based on a unique triple gradation technology.

SHOFU DISK ZR Lucent Supra has a minimum flexural strength of more than 1,000 MPa across the entire disk height. A maximum of 1,454 MPa in the cervical layer ensures increased safety, even when making large restorations.

The five layers of the zirconia disks seamlessly blend into each other, and different particle sizes in different layers create natural translucency. The layers with larger particles transmit more light and refract or reflect less, whereas the layers with finer particles reflect and scatter more light. This leads to intense light reflection in the high-strength cervical area, which then decreases step by step towards the incisal area.

The result: Restorations appear more vivid, brilliant and natural!



* relative layer thicknesses of disks 12-22 mm in height

Maximum strength



Strength, translucency and shade are functionally arranged in the disk, based on the unique triple gradation technology of SHOFU DISK ZR Lucent Supra.



ZR Lucent Supra zirconia disks up to 22 mm in height feature thinner cervical layers, relative to their total heights. From a height of 25 mm, the cervical layers are thicker. This is why 25 mm and 30 mm disks are excellent for the creation of high restorations.

As a result, the new SHOFU DISK ZR Lucent Supra **Cervical+** offers you real added value – facilitating the nesting of long-span restorations in the disk and substantially improving stability where it is needed. And the high flexural strength of 1,454 MPa in the cervical layer minimises the risk of fractures due to occlusal stress.



Perfect masking for flawless aesthetics

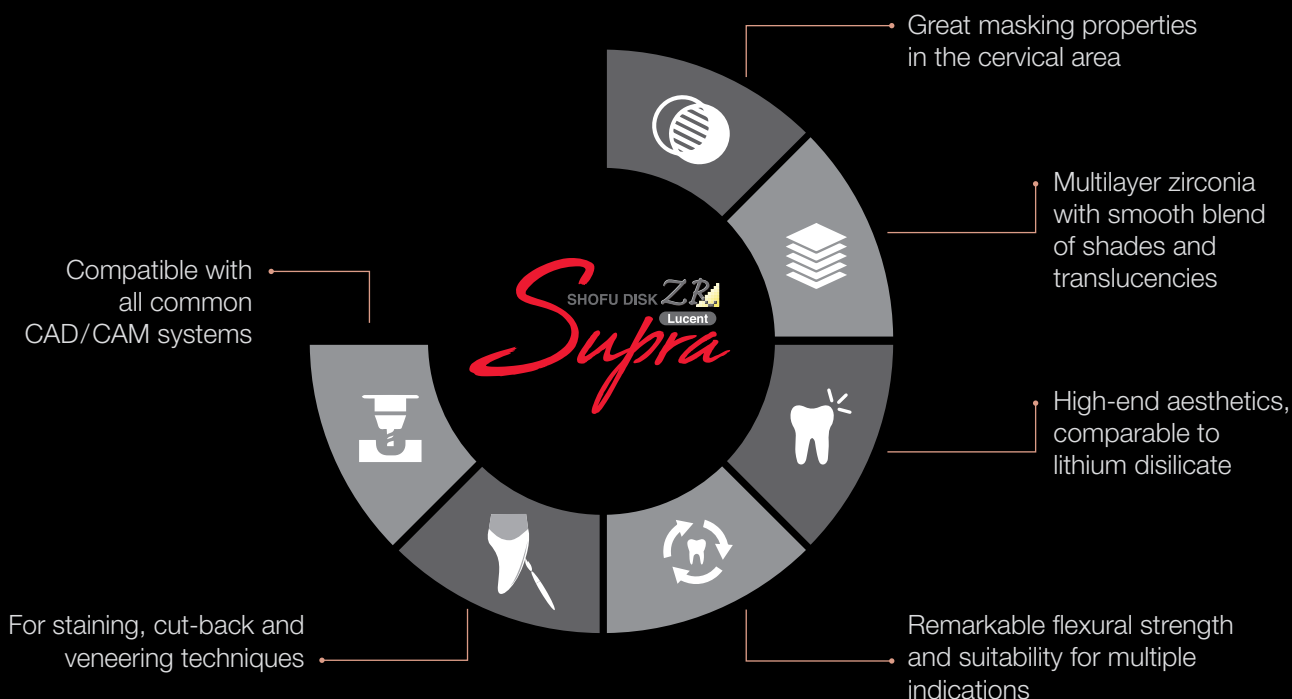
Thanks to increased light reflection in the cervical area and well-matched dentine and enamel layers, SHOFU DISK ZR Lucent Supra helps you to create a lifelike and aesthetically pleasing appearance – without any compromise.

And the great masking properties of its cervical layer make this multilayer disk particularly suitable for restorations that need to mask discolorations or metal colours.

So even on discoloured tooth stumps or implants – SHOFU DISK ZR Lucent Supra is the ideal solution.



Quality you can trust



Shade overview

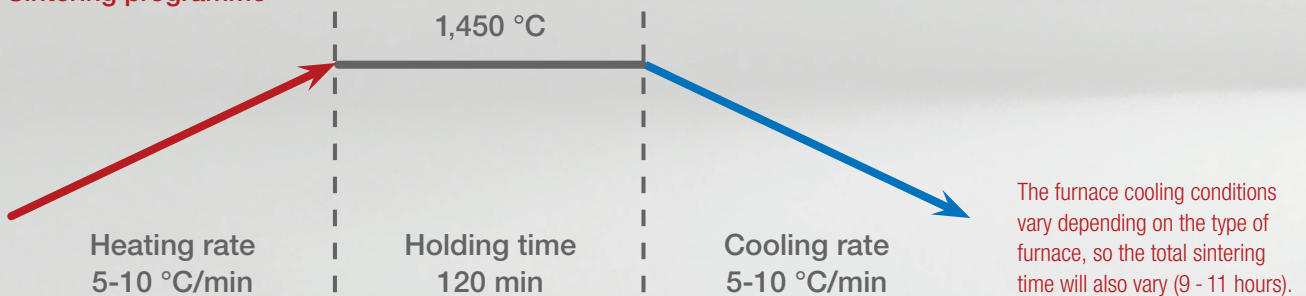
Pure White					
Bleach	W0	W2			
A shades	A1	A2	A3	A3.5	A4
B shades	B1	B2	B3	B4	
C shades	C1	C2	C3	C4	
D shades	D2	D3	D4		

The basic shades correspond to the VITA® Classical shades.

Sintering recommendations

Sintering conditions have a decisive influence on the material properties of zirconia, such as shade, translucency, density and strength. Different sintering furnaces, temperatures and heating rates per minute affect sintering results.

Sintering programme



Technical tip: Calibrate your sintering furnace before making shade samples!

To maintain consistent material and shade properties, we recommend regularly checking the temperature of your sintering furnace.

Specifications

Diameter	98 mm with groove		
Thicknesses	12 mm, 14 mm, 16 mm, 18 mm, 22 mm, 25 mm, 30 mm		
Flexural strength, sintered (DIN-ISO 6872:2015)	Enamel:	1,034 MPa	
	Dentine:	1,163 MPa	
	Cervical:	1,454 MPa	
Vickers hardness, unsintered (HV 0.2) (DIN-ISO 6507:2005)	Enamel:	HV 45	
	Cervical:	HV 65	
Sintering temperature	1,450 °C		
Translucency (shade A2 / thickness 0.5 mm)	Enamel:	44%	
	Dentine:	40%	
	Cervical:	37%	

Order information

SHOFU DISK ZR Lucent Supra

Shade	12 mm	14 mm	16 mm	18 mm	22 mm	25 mm	30 mm
Pure White	Z0156	Z0168	Z0180	Z0192	Z0204	Z0318	Z0337
W0	Z0157	Z0169	Z0181	Z0193	Z0205	Z0319	Z0338
W2	Z0158	Z0170	Z0182	Z0194	Z0206	Z0320	Z0339
A1	Z0159	Z0171	Z0183	Z0195	Z0207	Z0302	Z0321
A2	Z0160	Z0172	Z0184	Z0196	Z0208	Z0303	Z0322
A3	Z0161	Z0173	Z0185	Z0197	Z0209	Z0304	Z0323
A3.5	Z0162	Z0174	Z0186	Z0198	Z0210	Z0305	Z0324
A4	Z0216	Z0223	Z0281	Z0288	Z0295	Z0306	Z0325
B1	Z0163	Z0175	Z0187	Z0199	Z0211	Z0307	Z0326
B2	Z0217	Z0224	Z0282	Z0289	Z0296	Z0308	Z0327
B3	Z0164	Z0176	Z0188	Z0200	Z0212	Z0309	Z0328
B4	Z0218	Z0225	Z0283	Z0290	Z0297	Z0310	Z0329
C1	Z0165	Z0177	Z0189	Z0201	Z0213	Z0311	Z0330
C2	Z0219	Z0226	Z0284	Z0291	Z0298	Z0312	Z0331
C3	Z0166	Z0178	Z0190	Z0202	Z0214	Z0313	Z0332
C4	Z0220	Z0227	Z0285	Z0292	Z0299	Z0314	Z0333
D2	Z0167	Z0179	Z0191	Z0203	Z0215	Z0315	Z0334
D3	Z0221	Z0228	Z0286	Z0293	Z0300	Z0316	Z0335
D4	Z0222	Z0229	Z0287	Z0294	Z0301	Z0317	Z0336

100% TOSOH SHOFU DISK ZR Lucent Supra and SHOFU DISK ZR Lucent CAD/CAM disks are produced in a sophisticated and certified process, using high-purity zirconia powders made by the Japanese quality manufacturer TOSOH as raw materials.

Order information

Related products



VINTAGE Art Universal – Basic Color Set

For traditional staining and glazing of layered ceramic restorations

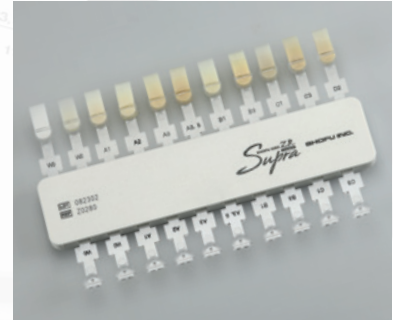
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VINTAGE ZR – Enamel Effect Set

Porcelain opalescent and translucent incisal powders for individual effects in the incisal area

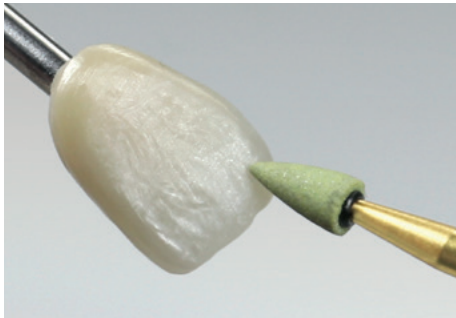
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SHOFU DISK ZR Lucent Supra – Color Indicator

Clip holders for Supra colour samples

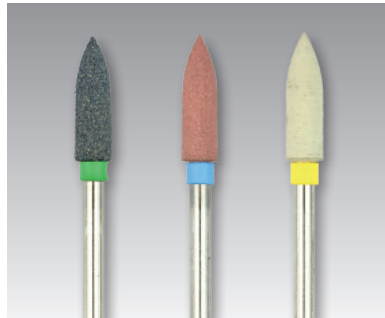
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Dura-Green DIA

Diamond abrasives for contouring and finishing indirect restorations made of ceramics, zirconia and lithium disilicate

REF 0154-0159, 0161-0163, 0165-0168



ZiLMaster

Three-step diamond impregnated polishing system for zirconia and lithium disilicate

REF 0640-0674



ZirGloss

High-performance polishing compound for zirconia, lithium disilicate and porcelain

REF N0002

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