

Your One-Stop Shop



Argen Milling Disc Product Catalog



argen.com | (800) 255-5524



“ Argen is proud to be a family-owned American company that manufactures the highest quality products in the US and sells in more than 100 countries worldwide. Argen is dedicated to treating customers like family. ”

Anton Woolf
CEO of Argen

 **ARGEN**[®]

Putting Dental Labs First.

As one of the largest dental zirconia manufacturers in the country, Argen is proud to offer a robust line of zirconia products to help you produce high quality, esthetic, and reliable restorations. Argen offers a wide selection of premium milling discs in a variety of thicknesses and diameters to fit most mills. Non-ceramic and temporary materials are also available in disc form. When outsourcing support is needed, units may be sent to Argen's 95,000 square foot facility for expert milling with quick turnaround times.

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ArgenZ

ZIRCONIA MILLING DISCS



ArgenZ Zirconia milling discs offer extremely accurate cosmetic and restorative solutions in high translucency and high strength materials for all your zirconia needs. ArgenZ Zirconia is available in Super Translucent Multilayer, Anterior Super Translucent, High Translucent Plus, and Ultra High Strength.

ArgenZ Zirconia can be used with ArgenZ Shading Liquids or any coloring system and absorbs 100% of the coloring throughout the restoration.

ARGENZ®



ARGEN Z[®] ST

MULTILAYER

ArgenZ ST Multilayer Zirconia features proprietary layer blending technology for natural shade transition. Suitable for single units anywhere in the mouth and up to three unit anterior bridges.

TRANSLUCENCY	STRENGTH	MOLE %
50%	850 MPa	5Y

INDICATION	COMPOSITION
• Up to 3-unit anterior bridges	ZrO ₂ +HfO ₂ +Y ₂ O ₃ >99 wt%
• Single unit posterior crowns	Y ₂ O ₃ 8.5 - 10 wt%
	Al ₂ O ₃ <5 wt%
	Fe ₂ O ₃ <0.1 wt%
	HfO ₂ <0.1 wt%

DIAMETERS*

98 mm

THICKNESSES*

12 14 16 18 20 mm

SHADES*

A1 A2 A3 A3.5 A4 B1 B2 B3 B4
 C1 C2 C3 C4 D2 D3 D4
 OM1 OM2 OM3

*Check argen.com for availability

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ARGEN Z ANTERIOR DISC

Super Translucent Zirconia

ArgenZ Anterior 98 x 14S
Dimensions: 98 x 14mm

MADE IN THE USA

CE 2797

ARGEN THE ARGEN CORPORATION
5855 Oberlin Drive
San Diego, California, USA
www.argen.com
1-800-255-5524

ARGEN Z ANTERIOR

ArgenZ Anterior Super Translucent Zirconia offers 25% more translucency over HT zirconia and a flexural strength of 765 MPa making it an excellent alternative to lithium disilicate.

TRANSLUCENCY	STRENGTH	MOLE %
50%	765 MPa	5Y

INDICATION	COMPOSITION
• Up to 3-unit anterior bridges	ZrO ₂ +HfO ₂ +Y ₂ O ₃ >99 wt%
• Single unit posterior crowns	Y ₂ O ₃ 8.5 - 10 wt%
	Al ₂ O ₃ <5 wt%
	Fe ₂ O ₃ <0.1 wt%
	HfO ₂ <0.1 wt%

DIAMETERS	THICKNESSES
95 98 mm	10 12 14 16 18 20 25 mm
100 mm	10 12 14 18 20 25 mm

SHADES (Available in 95 and 98mm)

#1	#2	#3	#4	#5	#6	Wht
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ARGEN Z



ARGEN Z HT⁺

ArgenZ HT+ Zirconia offers extremely accurate, life-like restorations with 4-5% more translucency and 100-150 MPa higher strength over traditional HT zirconia.

TRANSLUCENCY	STRENGTH	MOLE %
45%	1250 MPa	4Y

INDICATION	COMPOSITION
<ul style="list-style-type: none"> Up to 14 units Full contour or frame 	$ZrO_2 + HfO_2 + Y_2O_3$ >99 wt% Y_2O_3 6.1-8.2 wt% HfO_2 <5 wt% Al_2O_3 <0.2 wt%

DIAMETERS	THICKNESSES
95 98 mm	10 12 14 16 18 20 22 25 30 mm
100 mm	10 12 14 18 20 22 25 30 mm

SHADES (Available in 98mm)

A1	A1-L**	A2	A2-L**	A3	A3.5	A4	B1	B2	B3
B4	C1	C2	C3	C4	D2	D3	D4		
OM1	OM2	OM3	Wht						

**The L or "Light" shades are designed to match the incisal third. They have less chroma than the standard A1 and A2 shades allowing for more customization with shade liquids, modifiers, or stain.

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ARGEN Z ULTRA DISC
High Strength Zirconia

ArgenZ Ultra HS-14S
Dimensions: 98 x 14mm
MADE IN THE USA

ARGEN THE ARGEN CORPORATION
5855 Oberlin Drive
San Diego, California, USA
www.argen.com
1-800-255-5524

CE 2797

ARGEN Z[®] ULTRA

ArgenZ Ultra Zirconia's high strength and opaque properties make it optimal for dealing with dark stumps or for use over custom abutments.

TRANSLUCENCY	STRENGTH	MOLE %
0%	1400 MPa	3Y

INDICATION	COMPOSITION	
• Up to 14 units	ZrO ₂	90.95%
• Frame only	Y ₂ O ₃	4.5 - 6.0%
	HfO ₂	≤5 wt%
	Al ₂ O ₃	≤0.5 wt%

DIAMETERS

95 98 mm


THICKNESSES

10 12 14 16 18 20 22 25 mm

SHADES

Wht

ARGEN Z[®]



“ The new pre-shaded HT+ simplifies a technician’s hectic schedule. It creates ease of use for a technician to go from start to finish and delivery to clinician. ”

Jeremy M. Guidinger,
Digital Production Manager,
Van Hook Dental Studio

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ArgenZ

SHADING LIQUIDS



Argen's zirconia shading liquids are designed for maximum esthetics, simplicity, and most importantly, consistency. The system is made in the USA and formulated to infiltrate accurately with ArgenZ Zirconia.

Two unique shading systems pair with high translucent and super translucent materials and are available in kits or individual bottles.

ARGENZ



HT Liquid Shade

ST Liquid Shade



ARGEN Z[®]

LIQUID *Shade*

16 VITA Classical shades and 3 Bleach shades
 HT formulation for high translucent materials
 ST formulation for super translucent materials

ARGEN Z[®]

INCISAL *Effect*

3 intensities



ARGEN Z[®]

COLOR *Modifier*

7 colors



ARGEN Z[®]

TISSUE *Shade*

3 shades



ARGEN Z[®]

PONTIC *Reducer*

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ARGEN Z[®]

HT LIQUID DEMO SET

- 4 HT Liquid Shade Samples (A1, A2, B2, and D2)
- 2 Incisal Effect Samples (Intensity 1 and 2)
- 1 Pontic Reducer Sample



ARGEN Z[®]

ST LIQUID DEMO SET

- 4 ST Liquid Shade Samples (A1, A2, B2, and D2)
- 2 Incisal Effect Samples (Intensity 1 and 2)
- 1 Pontic Reducer Sample

ARGEN Z[®]



ARGENZ[®]

HT+ DEMO SET

- 1 Argenz HT+ Zirconia Disc (98mm x 14mm)
- 4 HT Liquid Shade Samples (A1, A2, B2, and D2)
- 2 Incisal Effect Samples (Intensity 1 and 2)
- 1 Pontic Reducer Sample

ARGENZ[®]

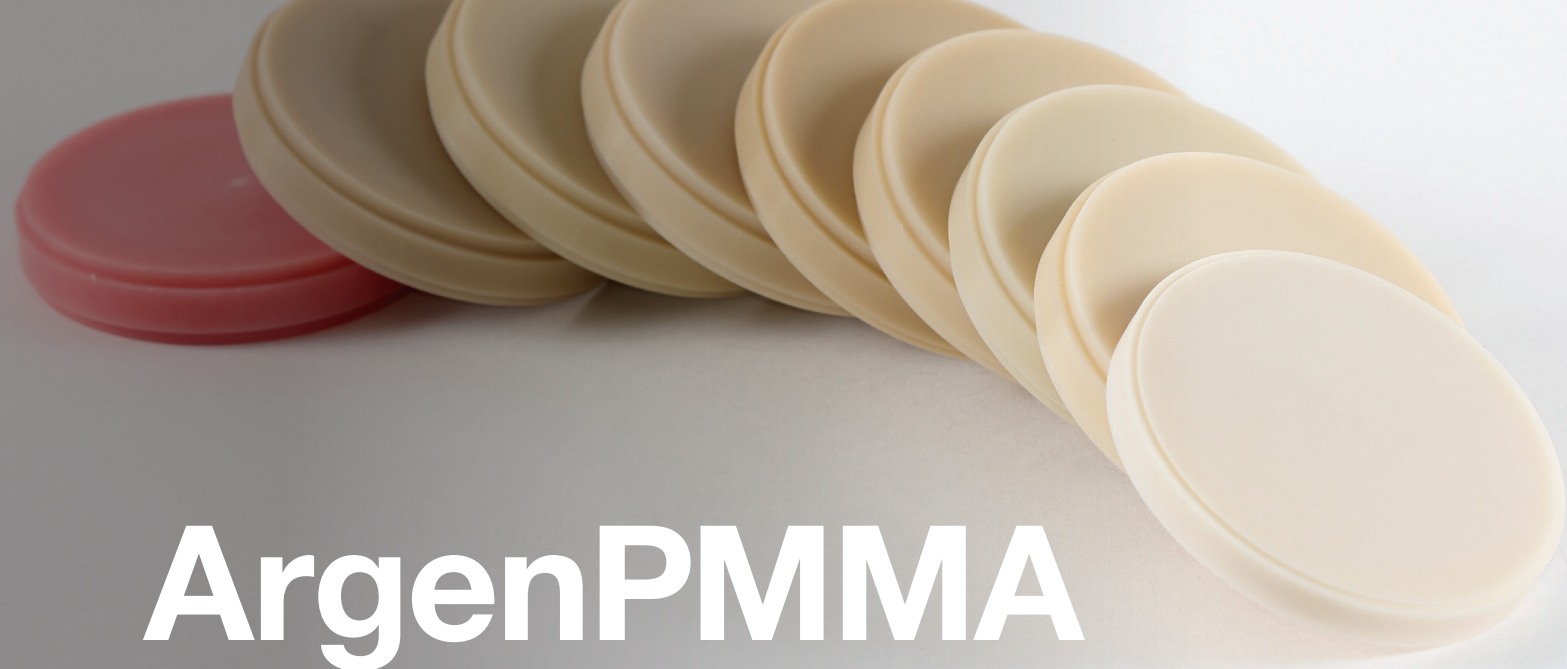
ST DEMO SET

- 1 Argenz Anterior Zirconia Disc (98mm x 14mm)
- 4 ST Liquid Shade Samples (A1, A2, B2, and D2)
- 2 Incisal Effect Samples (Intensity 1 and 2)
- 1 Pontic Reducer Sample



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ArgenPMMA

MILLING DISCS



ArgenPMMA offers high quality, life-like temporary material in a wide selection of monochromatic and multilayer discs.



ARGEN[®]PMMA



ARGEN[®] PMMA DISCS

Monochromatic Pre-Shaded PMMA Disc

ArgenPMMA is used as a temporary material while a permanent restoration is created. ArgenPMMA is quick and easy to polish.

DIAMETERS

95 mm

98 mm

THICKNESSES

16 20 25 30 mm

12 14 18 20 25 30 mm

SHADES



Multilayer PMMA Disc

ArgenPMMA Multilayer discs offer a beautiful, life-like solution for temporary crowns and bridges.

DIAMETERS

98 mm

THICKNESSES

12 14 16 20 25 30 mm

SHADES





ArgenDS HI-Base

DENTURE DISCS

Argen Denture System High Impact denture discs are used to mill premium dentures. Our high impact denture discs offer a highly esthetic, fracture resistant solution for your premium denture base needs. These strong, vibrant acrylic discs require minimal finishing and polishing.

ARGEN[®]DS

ARGEN[®]DS

HI-Base

Denture System High Impact Milling Discs

Argen HI-Base milling discs are 510(k) cleared and are compatible with 4-axis and 5-axis milling machines such as VHF, Roland, Imes-Icore, and others.

DIAMETER

98 mm

THICKNESSES

25 30 mm

SHADES

Original, Light Reddish Pink



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ArgenWAX

MILLING DISCS

ArgenWAX discs are a high quality digital wax material that provides remarkable accuracy with a wide range of material options.



ARGEN[®]WAX

ARGEN[®] WAX



Grey Milling Disc

ArgenWAX milling discs offer a high quality wax material that is easy to modify and follows standard burnout procedures.

DIAMETERS	THICKNESSES
95 98 mm	12 14 18 mm



White Milling Disc

ArgenWAX white diagnostic discs offer fully pressable wax in rich white color. This wax burns cleanly and follows standard burnout procedures.

DIAMETERS	THICKNESSES
98 mm	12 14 18 mm



Carvable Milling Disc

ArgenWAX Carvable Discs are a true, soft wax with no resin components which are easy to press and carve or modify. Beige in color, this wax burns cleanly and follows standard burnout procedures.

DIAMETERS	THICKNESSES
98 mm	14 16 18 mm



ArgenCoCr

MILLING DISCS



Our popular Argeloy NP Prime alloy is available in disc form and is perfect for dental labs with an in-house milling center.

ARGEN[®]CoCr

ARGEN[®]CoCr275

Argen Cobalt Chrome 275 milling discs are for use in CAD/CAM manufacturing and have a Vickers hardness of 275.

ALLOY	COLOR	ADA
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Argeloy NP Prime	White	PB
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COMPOSITION	INDICATION
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Cobalt (Co)	60.5%	• Up to 14 units
Chrome (Cr)	28.0%	• PFM
Tungsten (W)	9.0%	
Silicon (Si)	1.5%	

PROPERTIES	CTE	
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Density	8.6	500	14.1
Vickers	275	600	14.5

DIAMETERS

98.5 mm

THICKNESSES

8 10 12 13.5 15 18 mm

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Anton Woolf
CEO of Argen





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San Diego, CA 92126

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