

DENTAL CERAMICS



FDA ISO 13485 CE 0120

BAOT BIOLOGICAL TECHNOLOGY CO., LTD

Add: No.12 Building, Yujing Industry Zone, 106 Qihao Road, Torch Development District,
Zhongshan, Guangdong, China, 528400

Tel: +86 760 8789 3825

Fax: +86 760 8789 3827

Email: baot@baot.biz

Web: www.baot.biz

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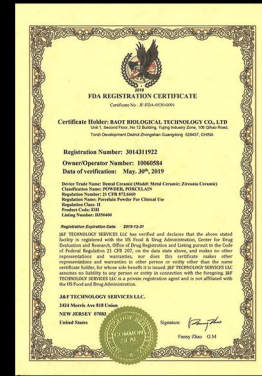
SCIENCE & ART

The BAOT logo, featuring the word 'BAOT' in a bold, blue, sans-serif font with a registered trademark symbol.

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FDA/MDML/ CFDA/ CE/ ISO/ Patent
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BAOT Works Gallery

CERTIFICATES



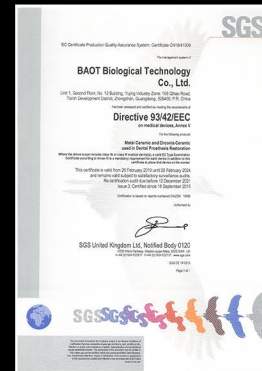
FDA



Medical Device Manufacturing License



CFDA



CE



ISO 13485



Patent



*Easy build up, low sintering shrinkage, tight integration of each layer
ISO standard flexural strength, chemical solubility & biocompatibility*

























PRODUCT SERIES

Metal Ceramic - JC

Type	Packages	Shades	Code
 JC BOND		1	BOND
 WASH OPAQUE		1	WO
 OPAQUE		16+26	A1/A2/A3/A3.5/A4/B1/B2/B3/B4/C1/C2/C3/C4/D2/D3/D4 B1M1/B1M2/B2L1.5/B2L2.5/B2M1/B2M2/B2M3/B2R1.5/B2R2.5 B3L1.5/B3L2.5/B3M1/B3M2/B3M3/B3R1.5/B3R2.5/B4L1.5/B4L2.5 B4M1/B4M2/B4M3/B4R1.5/B4R2.5/B5M1/B5M2/B5M3
 OPACIOUS DENTINE		16+26	A1/A2/A3/A3.5/A4/B1/B2/B3/B4/C1/C2/C3/C4/D2/D3/D4 B1M1/B1M2/B2L1.5/B2L2.5/B2M1/B2M2/B2M3/B2R1.5/B2R2.5 B3L1.5/B3L2.5/B3M1/B3M2/B3M3/B3R1.5/B3R2.5/B4L1.5/B4L2.5 B4M1/B4M2/B4M3/B4R1.5/B4R2.5/B5M1/B5M2/B5M3
 DENTINE		16+26	A1/A2/A3/A3.5/A4/B1/B2/B3/B4/C1/C2/C3/C4/D2/D3/D4 B1M1/B1M2/B2L1.5/B2L2.5/B2M1/B2M2/B2M3/B2R1.5/B2R2.5 B3L1.5/B3L2.5/B3M1/B3M2/B3M3/B3R1.5/B3R2.5/B4L1.5/B4L2.5 B4M1/B4M2/B4M3/B4R1.5/B4R2.5/B5M1/B5M2/B5M3
 DENTINE(bleach shades)		2	B1M1 BL1/B1M1 BL2
 ENAMEL		3	E-1A(Light)/E-1B(Medium)/E-1C(Dark)
 TRANSPARENT		2	T-1(Medium)/T-1▲(High)
 CERVICAL		4	C-1A(Reddish-brown)/C-1B(Reddish-yellow) C-1C(Grey)/C-1D(Reddish-grey)
 MARGIN		4	M-1A(Reddish-brown)/M-1B(Reddish-yellow) M-1C(Grey)/M-1D(Reddish-grey)
 STAIN		16	S-1A(Reddish-brown)/S-1B(Reddish-yellow)/S-1C(Grey)/S-1D(Reddish-grey) S-1A 011(White)/S-1A 012(Transpa white) S-1B 021(Bright yellow)/S-1B 022(Yellow)/S-1B 023(Champagne)/S-1B 024(Orange) S-1C 031(Pink)/S-1C 032(Smoke) S-1D 041(Bright blue)/S-1D 042(Blue)/S-1D 043(Red)/S-1D 044(Dark brown)
 GINGIVA		3	GIN-1A(Light)/GIN-1B(Medium)/GIN-1B 073(Dark)
 GLAZE		1	G-1
 OPAL EFFECT 1		1	T-1 062
 OPAL EFFECT 3		1	T-1 064
 TRANSPA BLUE		1	T-1 068
 OCCLUSAL DENTINE		1	C-1C 003

* Note:
1. Wash Opaque: 7g package for paste
2. Opaque: 5g package for paste

Zirconia Ceramic - ZCG

Type	Packages	Shades	Code
 DENTINE		16+26	A1/A2/A3/A3.5/A4/B1/B2/B3/B4/C1/C2/C3/C4/D2/D3/D4 B1M1/B1M2/B2L1.5/B2L2.5/B2M1/B2M2/B2M3/B2R1.5/B2R2.5 B3L1.5/B3L2.5/B3M1/B3M2/B3M3/B3R1.5/B3R2.5/B4L1.5/B4L2.5 B4M1/B4M2/B4M3/B4R1.5/B4R2.5/B5M1/B5M2/B5M3
 DENTINE(bleach shades)		2	B1M1 BL1/B1M1 BL2
 ENAMEL		3	E-2A(Light)/E-2B(Medium)/E-2C(Dark)
 TRANSPARENT		2	T-2(Medium)/T-2▲(High)
 STAIN		16	S-2A(Reddish-brown)/S-2B(Reddish-yellow)/S-2C(Grey)/S-2D(Reddish-grey) S-2A 211(White)/S-2A 212(Transpa white) S-2B 221(Bright yellow)/S-2B 222(Yellow)/S-2B 223(Champagne)/S-2B 224(Orange) S-2C 231(Pink)/S-2C 232(Smoke) S-2D 241(Bright blue)/S-2D 242(Blue)/S-2D 243(Red)/S-2D 244(Dark brown)
 GINGIVA		3	GIN-2A(Light)/GIN-2B(Medium)/GIN-2B 273(Dark)
 GLAZE		1	G-2
 OPAL EFFECT 1		1	T-2 262
 OPAL EFFECT 3		1	T-2 264
 TRANSPA BLUE		1	T-2 268
 OCCLUSAL DENTINE		1	C-2C 203

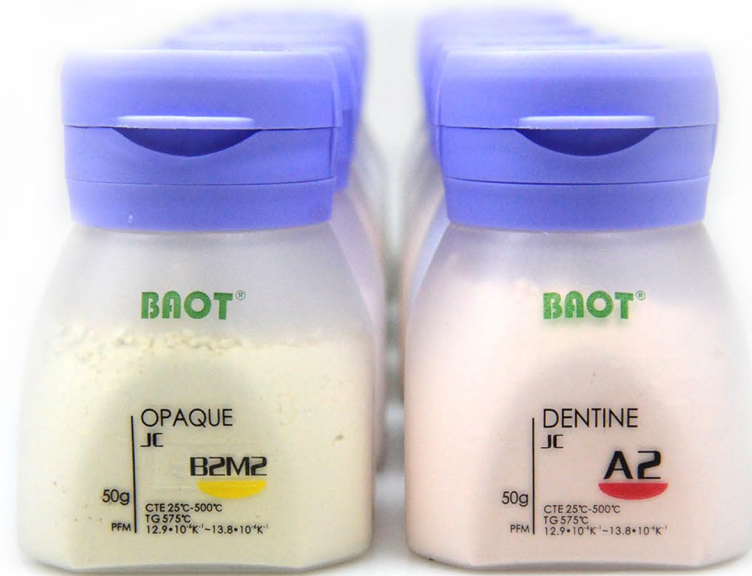
Formative Liquid

Type	Packages	Code
MODELING LIQUID	240ml	CFS
OPAQUE LIQUID	50ml/240ml	OF
GLAZE & STAIN LIQUID	50ml	GY



OPERATIONAL GUIDELINE

Metal Ceramic - JC



Firing Parameters for Calibrated Furnaces

Condition	Firing					
	Wash Opaque	Opaque	Margin	Body*	Add on	Glaze & Stain
Drying temp. (°C)	550	550	550	550	550	550
Drying time (min)	2	3	3	3	2	2
Heating time (min)	2	3	3	3	2	2
Heating rate (°C/min)	60	60	55	55	55	55
Firing temp. (°C)	960	940	930	920	910	890
Holding time (min)	1	1	1	1	1	1
Cooling time (min)	4	4	4	4	4	4
Cooling temp. (°C)	550	550	550	550	550	550
Vacuum start (°C)	550	550	550	550	550	-
Vacuum end (°C)	960	940	930	920	910	-

Note:

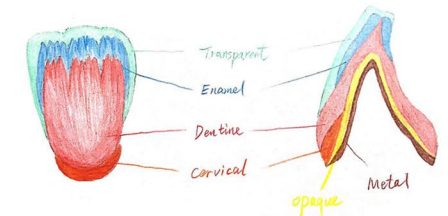
- (1)*"Body" includes Cervical, Opaque Dentine, Dentine, Enamel, Transparent, Gingiva.
- (2) Our recommendation for firing temperature is based on numerous tests. This firing parameters may be adjusted according to the peculiarities of different furnaces. It is essential to test firing before production.
- (3) Please refer to "Instruction for Use" for details.

Properties

Properties	JC	ISO standard	SEM after acid etching
CTE*(10 ⁻⁶ ·K ⁻¹)	12.9-13.8	-	
Glass transition(°C)	575	-	
Flexural strength(MPa)	118	>50	
Bonding strength(MPa)	39.5	>25	
Chemical solubility(µg·cm ⁻²)	31.8	<=100	

*CTE(Coefficient of thermal expansion)

Basic Operation



1.	Metal framework treatment	<ul style="list-style-type: none"> -Grinding & Sand blasting -Ultrasonic/Steam cleaning & oxidization -WASH OPAQUE & OPAQUE PASTE application & firing
2.	Body build-up	<ul style="list-style-type: none"> -DENTINE build-up 10% larger to compensate the firing shrinkage -ENAMEL build-up, applying to the incisal 1/3 -TRANSPARENT build-up, applying to the incisal 2/3
3.	Glaze & Stain application	<ul style="list-style-type: none"> -After firing, contouring -Applying GLAZE & STAIN & firing

OPERATIONAL GUIDELINE

Zirconia Ceramic - ZCG



Firing Parameters for Calibrated Furnaces

Condition	Firing			
	Liner	Body*	Add on	Glaze & Stain
Drying temp.(°C)	500	500	500	500
Drying time (min)	2	3	2	2
Heating time (min)	2	3	2	2
Heating rate (°C/min)	50	50	50	50
Firing temp.(°C)	960	920	910	890
Holding time (min)	1	1	1	1
Cooling time (min)	4	4	4	4
Cooling temp.(°C)	550	550	550	550
Vacuum start (°C)	500	500	500	-
Vacuum end (°C)	960	920	910	-

Note:

(1)*"Body" includes Cervical, Opacious Dentine, Dentine, Enamel, Transparent, Gingiva.

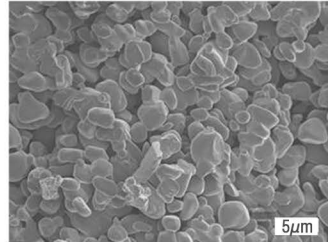
(2) Our recommendation for firing temperature is based on numerous tests.

This firing parameters may be adjusted according to the peculiarities of different furnaces.

It is essential to test firing before production.


(3) Please refer to "Instruction for Use" for details.

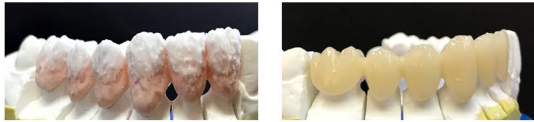
Properties


Properties	ZCG	ISO standard	SEM after acid etching
CTE*(10 ⁻⁶ ·K ⁻¹)	8.9-9.6	-	
Glass transition(°C)	590	-	
Flexual strength(MPa)	106	>50	
Chemical solubility(µg·cm ⁻²)	20	<=100	


*CTE(Coefficient of thermal expansion)

Basic Operation

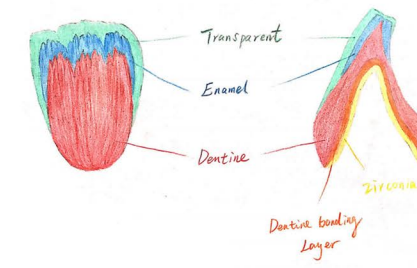
- Liner**


-0.2mm-0.3mm
DENTINE bonding layer build-up & firing
- Body build-up**


-DENTINE/ENAMEL/TRANSPARENT
build-up & firing
- Add-on build-up**


-DENTINE/ENAMEL/TRANSPARENT
build-up & firing
- Glaze & Stain Application**


-After contouring,
Applying GLAZE & STAIN
& firing





TRIAL KITS

Metal Ceramic Kit

Standard Kit



- Wash Opaque/JC Bond (2g) WO/BOND
- Opaque (2g) A2,A3
- Dentine (5g) A2,A3
- Enamel (5g) E-1B
- Transparent (5g) T-1
- Glaze (3g) G-1
- Modeling Liquid (15ml) CFS
- Opaque Liquid (15ml) OF

Mini Kit



- Opaque (2g) A2
- Dentine (5g) A2
- Enamel (5g) E-1B
- Transparent (5g) T-1
- Modeling Liquid (15ml) CFS

Zirconia Ceramic Kit

Standard Kit



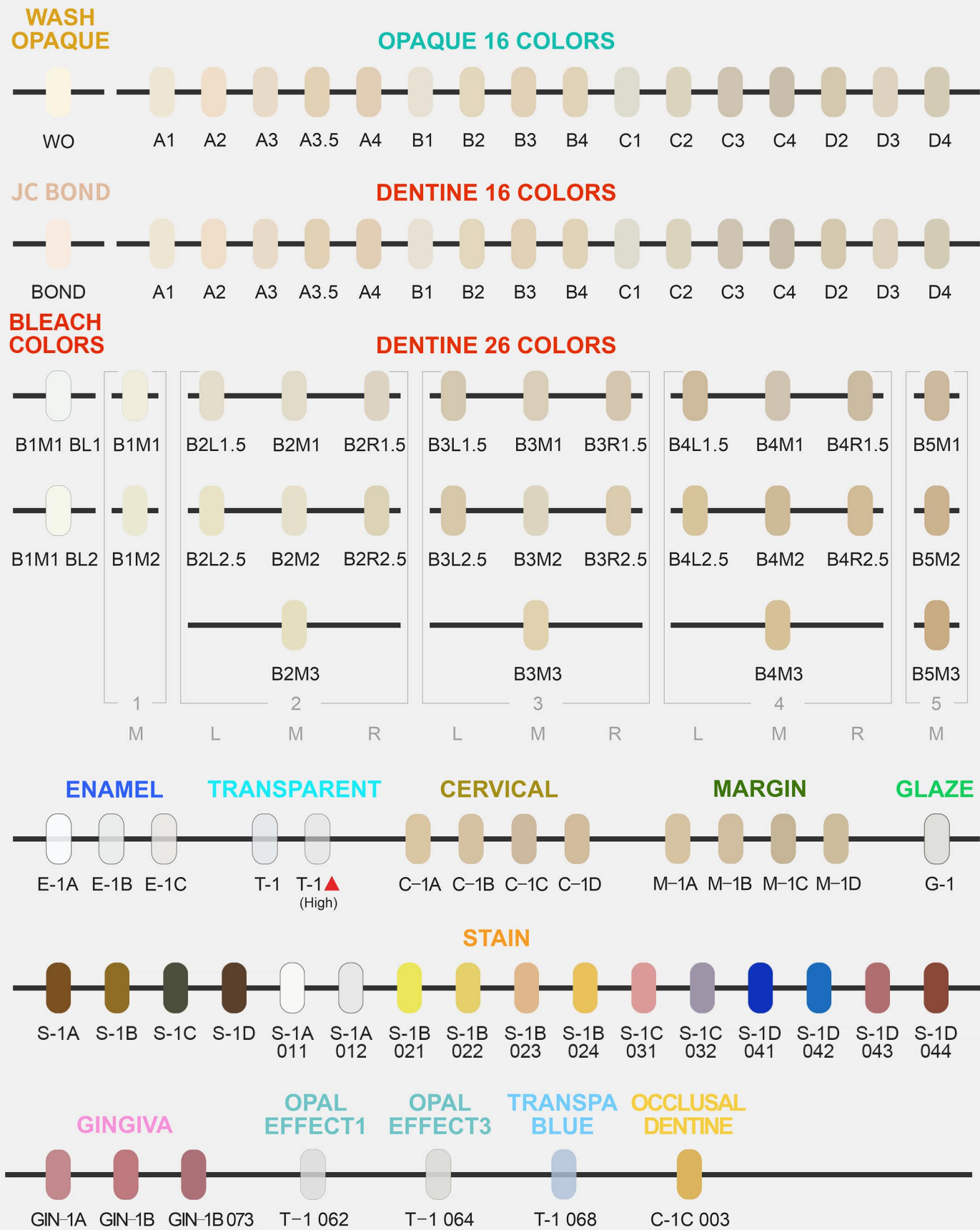
- Dentine (5g) A2,A3,B1,C2,D3
- Enamel (5g) E-2B
- Transparent (5g) T-2
- Glaze (3g) G-2
- Modeling Liquid (15ml) CFS
- Glaze & Stain Liquid (15ml) GY

Mini Kit

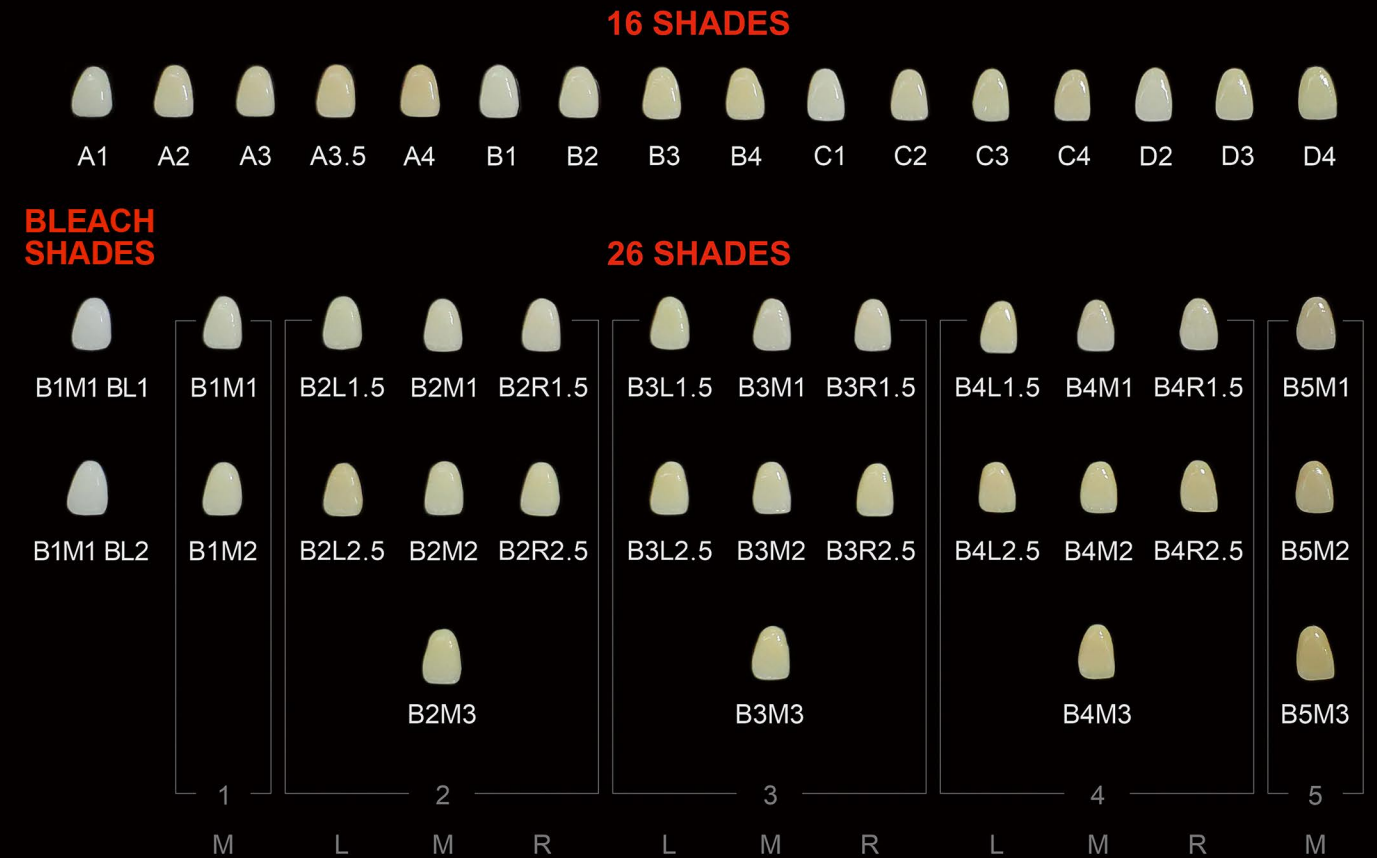


- Dentine (5g) A2,A3
- Enamel (5g) E-2B
- Transparent (5g) T-2
- Modeling Liquid (15ml) CFS

COLOR CHART



SHADE GUIDE





かわばた まさし

Masashi Kawabata

Master in Japan for **25 years**
Running TEETH HAT Studio
for **18 years** in Japan
Producing more than **150000**
crowns

**WORKS
GALLERY**
SCIENCE & ART



Volker Lauven

Master in Australia for **25 years**
My specialty field is "cosmetic smile makeovers."
My aim is to offer the predictable all ceramics restorations
and help create beautiful smile



Orlando Ordóñez Branez

Orlando Ordóñez Branez

Master in Bolivia for **20 years**



Ernesto Larios Montano

Ernesto Larios Montano

Master in Salvador for **16 years**



WORKS GALLERY

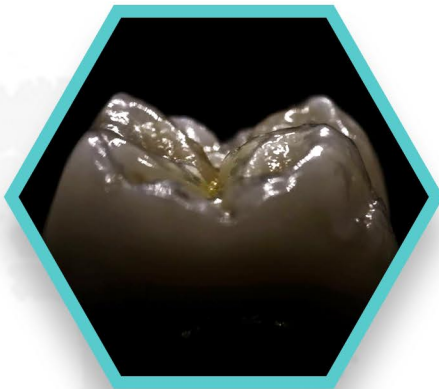
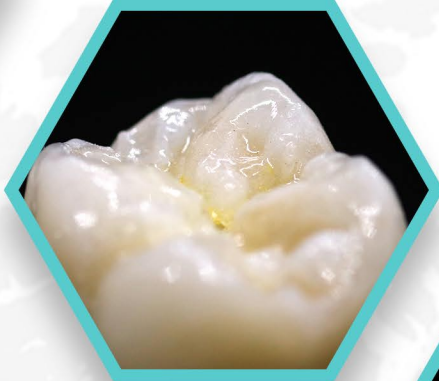
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David Alvarez

David Alvarez Gavila

Master in Spain for **28 years**



Marcelo Cagnone
Marcelo Cagnone

Master in Argentina for **27 years**



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