YAMAHACHI DENTAL

PRODUCT CATALOG

2025-2026
Ver.1

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CONTENTS

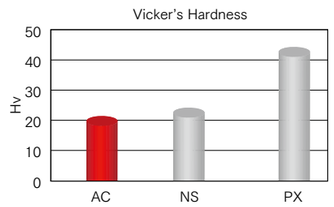
Artificial Teeth

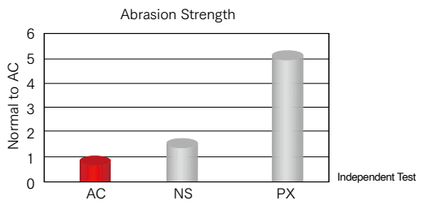
What is AC?

Acrylic resins are widely used ingredients in artificial teeth manufacturing generated through chemical reaction by applying polymerization initiator and heat to a monomer. Derived from methyl methacrylate monomer (MMA), polymethyl methacrylate (PMMA) forms chemical bonding to a denture base as it is made of the same material. It can be made into various shapes and shades.

In the modern era, people have become more health conscious and particular in choosing acrylic teeth suitable for their dental prosthesis, consequently we began to develop and supply high quality standard AC acrylic teeth products to meet the advancing market demand. Equipped with our decades of experience in artificial teeth manufacturing and very strict compliance with quality standards, we were able to meet these market demands. With primary focus on aesthetics, we have meticulously engineered each tooth's layer and gradation to successfully manifest the natural appearance in shape, shade and translucency.

All of these physical properties which are perfectly suited for functional dental prosthesis have given us the confidence to introduce our Japanese technology, AC acrylic teeth, onto the ever evolving dental market.





In pursuit of matching individual teeth shape, dimension and colour, we have customized a variety of moulds and shades readily available when required. Each of which are devised to naturally resemble and function like the real teeth. We have tailored to reproduce the physical essence of a smile by the combined aid of realistic mamelon and fluorescence effects. While teeth alignment is constructively harmonized to imitate the teeth-mouth feeling sensation, teeth occlusion is excellently corresponded to restore ideal mastication.

We hereby offer to you our competitive, well-known and globally trusted, high quality AC acrylic teeth.

NEW ACE

Two-Layer Acrylic Resin Teeth

In full and partial denture cases, the resin teeth closely harmonize in shape and color with natural teeth and can be easily arranged, and the wax gum festooned without difficulty.

Upper 23 Moulds				
Basic Form	**Mould**			
Tapering	T1	T2	T3	T4
	T5	T6		
Tapering Long	T4	T5	T6	T7
Square	S2	S3	S4	S5
	S6	S7	S8	
Square Short	SS2	SS3		
Ovoid	O2	O3	O4	O5

Lower 12 Moulds				
Mould				
L2	L3	L4	L5	L6
L7	L8	L9	L10	L11
S3L	S4L			

Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5			
Packing	Upper Lower	6pcs / SET : 16SET / BOX		

NAPERCE

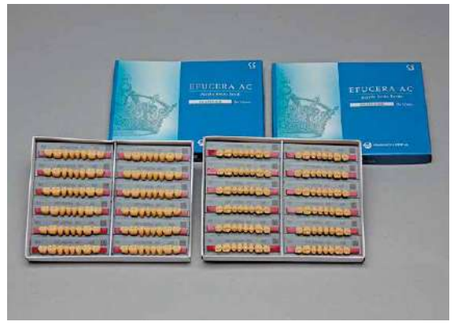
Two-Layer Acrylic Resin Teeth

Mould	**Upper / Lower**					
	M28	M30	M32	M33	M34	M36
Shades	A1	A2		A3	A3.5	
	A4	B1		B2	B3	
	B4	C1		C2	C3	
	C4	D2		D3	D4	
	W0.5					
Packing	Upper Lower	8pcs / SET : 12SET / BOX				

The cusp angle of **NAPERCE** is 30°.

EFUCERA AC

Two-Layer Acrylic Resin Teeth



Mould	**Upper / Lower**				
	28	30	32	34	36
Shades	A1	A2	A3	A3.5	
	A4	B1	B2	B3	
	B4	C1	C2	C3	
	C4	D2	D3	D4	
	W0.5				
Packing	Upper Lower	8pcs / SET : 12SET / BOX			

The cusp angle of **EFUCERA AC** is 20°.

MILLION

One-Layer Acrylic Resin Teeth

Mould	Upper / Lower					
	28	29	30	31	32	
Shades	A1	A2	A3	A3.5		
	A4	B1	B2	B3		
	B4	C1	C2	C3		
	C4	D2	D3	D4		
	W0.5					

Packing	Upper Lower	8pcs / SET : 12SET / BOX

The cusp angle of **MILLION** is 33°.

FLAT AC

Two-Layer Acrylic Resin Teeth

Mould	Upper / Lower			
	30	32	34	
Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5			

Packing	Upper Lower	8pcs / SET : 12SET / BOX

The cusp angle of **FLAT AC** is 0°.

Combination Table					
NEW ACE		NAPERCE	EFUCERA AC	MILLION	FLAT AC
Upper	Lower				
T1	L2	M30(M32)	28	29	-
T2	L2	M30(M32)	30	29	30
T3	L6	M32(M33)	30	31	30
T4	L4	M32	30	30	30
T5	L7	M33	32	31	32
T6	L7	M34(M32)	34	32	34
TL4	L6	M34	34	31	34
TL5	L8	M34	34	32	34
TL6	L9	M34	34	32	34
TL7	L11	M36	34	-	34
S2	S3L	M32	28	29	-
S3	S4L	M32	30	29	30
S4	L4	M32	32	30	32
S5	L6	M33	34	30	34
S6	L7	M34	34	31	34
S7	L10	M36	34	-	34
S8	L11	M36	36	-	-
SS2	S3L	M30	28	29	-
SS3	S4L	M32	30	29	30
O2	S3L	M30	28	29	-
O3	L3	M32	30	30	30
O4	S4L	M32	32	31	32
O5	L6	M32	34	32	34

What is FX?

It is widely known that conventional acrylic teeth are susceptible to abrasion. Acrylic teeth gradually wear down in the mouth over time. This process accelerates when the patient frequently eats abrasive foods. One filler demonstrated excellent performance and became part of our new formulation called FX.

We have also customized a variety of moulds and shades exclusively for the FX line that are readily available. These moulds, different in design to that of AC, NS and PX, offers a range of selection when a particular mould desired is cannot be found in AC, NS or PX teeth line.

FX is available in Efucera FX, 20 degree, and FX Posterior, 30 degree, to enhance chewing efficiency in a variety of cases.

We hereby offer to you our FX acrylic resin teeth.

Combination Table			
FX ANTERIOR		POSTERIOR	
Upper	Lower	FX	EFUCERA FX
T4	LB4	M28	28
T5	LB5	M30	30
T6	LB6	M32	32
T7	LB7	M33 (M34,M36)	34 (36)
S4	LA4	M30	30
S5	LB6	M30	30
S6	LB7	M33 (M34)	32
S7	LA7	M33 (M34,M36)	34 (36)
SS4	LB4	M28	28
SS5	LB5	M30	30
SS6	LA6	M32	32
SS7	LB7	M33 (M34,M36)	34 (36)
C4	LA4	M30	30
C5	LA5	M30	32
C6	LA6	M33 (M34)	32
C7	LA7	M33 (M34,M36)	34 (36)

FX ANTERIOR

Two-Layer Highly Performed Acrylic Resin Teeth

Upper 16 Moulds				
Basic Form	**Mould**			
Tapering	T4	T5	T6	T7
Square	S4	S5	S6	S7
Square Short	SS4	SS5	SS6	SS7
Combinatiom	C4	C5	C6	C7

Lower 8 Moulds			
Mould			
LA4	LA5	LA6	LA7
LB4	LB5	LB6	LB7

Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5			
Packing	Upper Lower	6pcs / SET : 16SET / BOX		

FX ANTERIOR is a full 3-D reproduction of natural teeth with improved labial ridge to emphasize the labial surface morphology. Arrangements duplicating natural teeth are possible.

FX POSTERIOR

Two-Layer Highly Performed Acrylic Resin Teeth

Mould	Upper / Lower					
	28	30	32	33	34	36
Shades	A1	A2		A3	A3.5	
	A4	B1		B2	B3	
	B4	C1		C2	C3	
	C4	D2		D3	D4	
	W0.5					

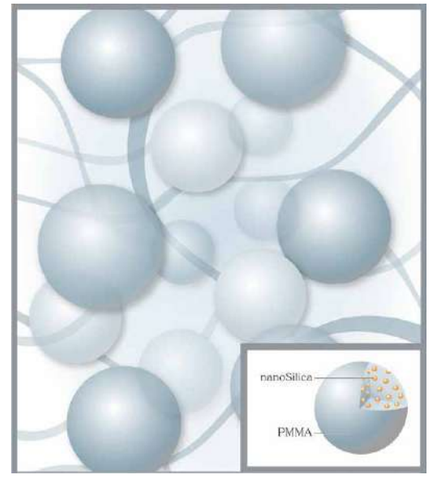
Packing	Upper Lower	8pcs / SET : 12SET / BOX

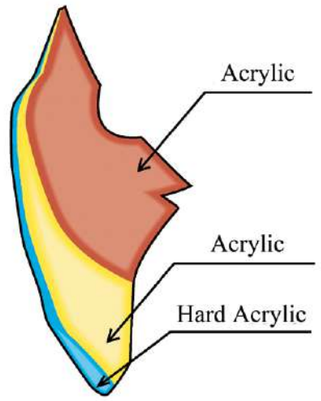
The cusp angle of **FX POSTERIOR** is 30°.

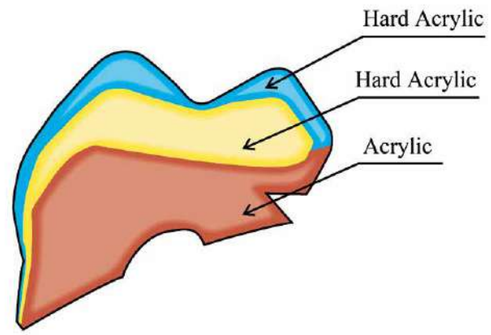
What is NS?

For decades, we have been supplying the global dental market both with acrylic teeth and composite teeth. Throughout our experience, we have noticed that acrylic teeth users tend to seek acrylic teeth of higher quality than what they are using. While composite teeth users tend to seek alternative material of comparable quality, more affordable and resistant against staining agents. With this market need, we have searched for the most suitable material in order to fill the gap between conventional acrylic and composite teeth in terms of quality performance and competitiveness in the market.

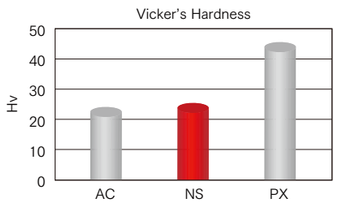
Addressing the stain susceptibility issue of composite teeth, we have chosen to keep the acrylic nature of the desired artificial teeth material. Along with our years of research, we have found the right material of desired quality that has led us to the development of a new artificial teeth product line called hard acrylic NS.

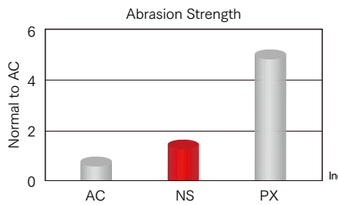






Unlike AC or FX, embedded inside the NS are very minute particles called nanoSilica that made its polymer matrix structure more compact and tougher. These nano-sized Silica particles strengthen the bonding between polymer strands making it harder and resistant against abrasion. Possessing hardness of Hv = 25, performance test showed that NS is 60% stronger than conventional acrylic material against abrasion. Thus, NS has opened the opportunity for users, who are not quite satisfied with conventional acrylic resin teeth, a higher quality and competitive three-layer alternative choice.





Independent Test

The market demand for PX moulds at competitive level has been in our list for many years. This demand has made us to decide creating NS moulds the same as those of PX and made available in complete VITA shades.

We hereby offer to you new NS that will challenge the smile of the industry!

CROWN NS

Three-Layer Hard Acrylic nanoSilica-Reinforced Resin Teeth

Upper 24 Moulds				
Basic Form	**Mould**			
Tapering	T41	T51	T61	
Tapering Short	T41S	T51S	T61S	
Square	S51	S71	S81	
Square Short	S41S	S42S	S43S	S44S
	S51S	S52S	S61S	
Ovoid	O41			
Ovoid Short	O31S	O51S	O61S	
Combination	C41	C42	C51	C61

Lower 8 Moulds				
Mould				
N31S	N61S	N31	N32	N41
N42	N81	N71L		

Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5			
Packing	Upper Lower	6pcs / SET : 16SET / BOX		

CROWN NS is a 3D-digital reproduction of natural anterior teeth. It features solid moulds with supplementary labio-lingual width and emphasized tubercle protrusion to render space clearance provided for easy adjustments and strong clutching on the lingual gum, respectively.

EFUCERA NS

Three-Layer Hard Acrylic nanoSilica-Reinforced Resin Teeth

Mould	**Upper / Lower**				
	28	30	32	34	36
Shades	A1	A2	A3	A3.5	
	A4	B1	B2	B3	
	B4	C1	C2	C3	
	C4	D2	D3	D4	
	W0.5				
Packing	Upper Lower	8pcs / SET : 12SET / BOX			

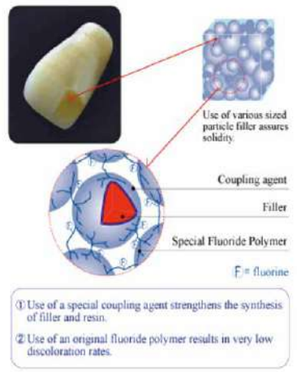
The cusp angle of **EFUCERA NS** is 20°.

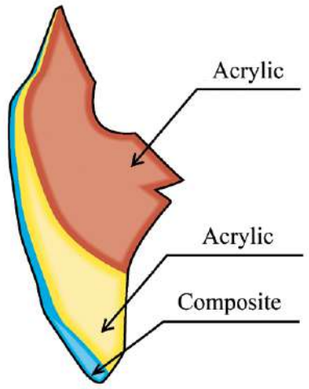
Combination Table		
CROWN NS		**EFUCERA NS**
Upper	**Lower**	
T41	N32	28
T51	N42	30
T61	N61S	34
T41S	N32	28
T51S	N42	30
T61S	N61S	34
S51	N42	30
S71	N71L	34
S81	N81	36
S43S	N41	28
S44S	N41	28
S41S	N32	28
S42S	N31	28
S52S	N42	30
S51S	N42	30
S61S	N61S	34
O41	N32	28
O31S	N31S	28
O51S	N61S	32
O61S	N61S	32
C41	N41	32
C42	N41	28
C51	N42	30
C61	N61S	34

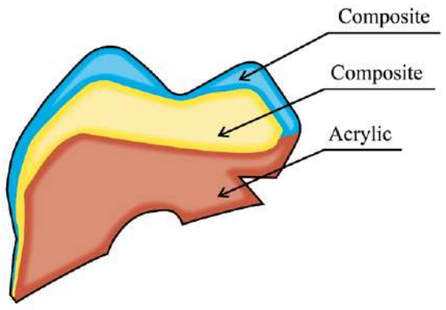
What is PX?

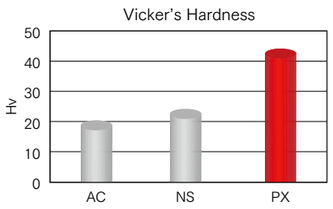
Acrylic resin teeth are widely known for their beauty in shades and shapes despite of the fact that their surface property deteriorates through long time of use. In order to address this weakness, we have been supplying composite resin teeth in the dental market. While it is true that composite resin teeth are much harder than those of acrylics, which prove high endurance in clinical use, they are much susceptible to stains. Composite resin teeth, in general, consist of stain-causing components – Urethane dimethacrylate (UDMA), and filler. Recognizing these inherent weaknesses of both acrylics and composites, we made an attempt to remediate this problem.

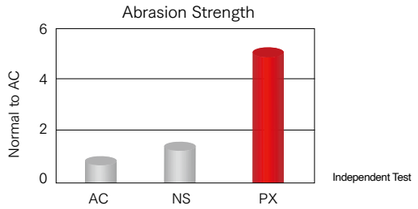
Our endeavor of producing high endurance and stain resistant resin teeth made-up of single composite material has been realized through the development of PX. Possessing a hardness of Hv = 45, PX is more than 5 times stronger against abrasion which translates in superior protection against wear and tear, and much longer life on usage compared to acrylic materials.











After testing stain-repelling agents that are compatible with our production process and PX formulation, one exceptional fluorine-containing monomer showed satisfactory results. Through clinical testing it has been proven that PX is twice as hard as acrylics, while demonstrating a similar stain resistance capacity as acrylics.The superior qualities exhibited by PX guided us to advanced composite resin teeth technology.

We hereby offer to you the hardest and stain resistant composite resin teeth you have been looking for!

CROWN PX

Three-Layer Composite Resin Teeth

CROWN PX is a 3D-digital reproduction of natural anterior teeth. It features solid moulds with supplementary labio-lingual width and emphasized tubercle protrusion to render space clearance provided for easy adjustments and strong clutching on the lingual gum, respectively.

Upper 24 Moulds				
Basic Form	**Mould**			
Tapering	T41	T51	T61	
Tapering Short	T41S	T51S	T61S	
Square	S51	S71	S81	
Square Short	S41S	S42S	S43S	S44S
	S51S	S52S	S61S	
Ovoid	O41			
Ovoid Short	O31S	O51S	O61S	
Combination	C41	C42	C51	C61

Lower 8 Moulds				
Mould				
N31S	N61S	N31	N32	N41
N42	N81	N71L		

Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5			
Packing	Upper Lower	6pcs / SET : 16SET / BOX		

SOLUUT PX

Three-Layer Composite Resin Teeth

With **SOLUUT PX,** the cervical and incisal area of the Anterior are emphasized in order to render natural appearance and secured with sufficient dentin layers in order to avoid unnecessary translucency effect, respectively.

Upper 24 Moulds				
Basic Form	**Mould**			
Tapering	T4	T5	T6	T7
Square	S4	S5	S6	S7
Square Short	SS4	SS5	SS6	SS7
Ovoid	O4	O5	O6	O7
Combination	C4	C5	C6	C7
Combination SP	CSP4	CSP5	CSP6	CSP7

Lower 8 Moulds			
Mould			
L4	L5	L6	L7
LS4	LS5	LS6	LS7

Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5			
Packing	Upper Lower	6pcs / SET : 16SET / BOX		

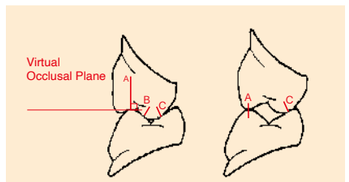
EFUCERA PX

Three-Layer Composite Resin Teeth

The cusp angle of **EFUCERA PX** is 20°.

Mould	Upper / Lower				
	28	30	32	34	36
Shades	A1	A2	A3	A3.5	
	A4	B1	B2	B3	
	B4	C1	C2	C3	
	C4	D2	D3	D4	
	W0.5				

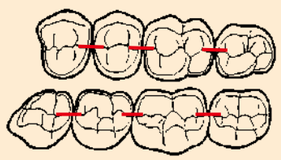
Packing	Upper Lower	8pcs / SET : 12SET / BOX



Central Occlusion Position During Lateral Movement

Full Balanced Form

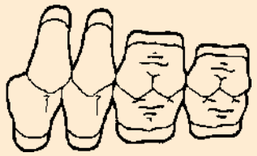
Occlusal ridges have been eccentrically positioned in order to achieve full occlusal equilibrium. Contact points, A, B and C, on the occlusal surface are designed for enhanced denture stability. Contact points, A and C, are reserved for lateral movements during mastication.



Central Groove in Consideration of Central Line

Setting Line

Imaginary setting line is reserved for the technician's own denture arrangement in response for patient's distinct requirement. Thus, this design is mostly applicable for partial dentures requiring unique arrangement with respect to its consequent natural teeth.



One-to-One-Tooth Relationship

(Ideal Anatomic Proximate) IAP Face

To aesthetically harmonize the teeth arrangement from the anterior tooth to the molar part, the buccal side has one- tooth to two-tooth overlapping relationship.

Combination Table		
CROWN PX		EFUCERA PX
Upper	Lower	
T41	N32	28
T51	N42	30
T61	N61S	34
T41S	N32	28
T51S	N42	30
T61S	N61S	34
S51	N42	30
S71	N71L	34
S81	N81	36
S43S	N41	28
S44S	N41	28
S41S	N32	28
S42S	N31	28
S52S	N42	30
S51S	N42	30
S61S	N61S	34
O41	N32	28
O31S	N31S	28
O51S	N61S	32
O61S	N61S	32
C41	N41	32
C42	N41	28
C51	N42	30
C61	N61S	34

Combination Table		
SOLUUT PX		EFUCERA PX
Upper	Lower	
T4	L4	28
T5	L5	30
T6	L6	32
T7	L7	32
S4	L4	28
S5	L5	30
S6	L6	32
S7	L7	32
SS4	LS4	28
SS5	LS5	30
SS6	LS6	32
SS7	LS7	32
O4	LS4	28
O5	LS5	30
O6	LS6	32
O7	LS7	32
C4	L4	28
C5	L5	30
C6	L6	32
C7	L7	32
CSP4	L4	28
CSP5	L5	30
CSP6	L6	32
CSP7	L7	32

COMBINATION SET Package

Packing	28pcs / set : 4set / box

This package is available for all artificial teeth.

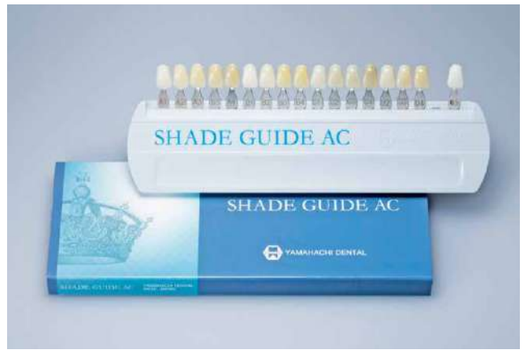
FULL SET Package

Packing	28pcs / set : 6set / box

This package is available for all artificial teeth.

SHADE GUIDE AC

Shade Guide for Acrylic Resin Teeth



SHADE GUIDE NS

Shade Guide for Hard Acrylic Resin Teeth

SHADE GUIDE PX

Shade Guide for Composite Resin Teeth

TEETH CABINET

Packing	1 Unit / 6-Pallet Drawer
Dimension	1 Unit (W285 x D310 x H220)mm

Each pallet has a capacity to accommodate 48 or 36 Yamahachi Anterior or Posterior sets, respectively.

Artificial Teeth Package Variety

PCS Form Package

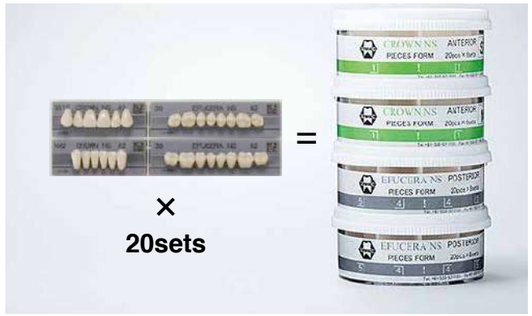
What is Pieces Form?

New Bulk Package – Making Big Small. While not only pursuing improvements in the quality of our artificial teeth, we also focused on the most efficient for of packing to you give you more space and easy access. With Pieces Form, the teeth are now free from their plastic plate and can be picked out easily and quickly.

There are 6 cell for Anterior and 8 cells for Posterior and each cell contains 20 teeth.
All the information you need is indicated on the side label.

Teeth can be picked/shaken out through the opening in the lid.
Turn the lid until the arrow points to the type you need. Then just shake out to dispense the tooth.

20 full conventional sets can now be stocked by piling 4 cases of Anterior Upper/Lower and Posterior Upper/Lower.
This is more efficient way of stocking your teeth.



Once used, the containers can be refilled with our Refill-Pack offering a more economic, efficient and waste reducing system.
The Refill-Pack contains 20 teeth per bag.

Teeth Formula

	UPPER		LOWER	
RIGHT	7 6 5 4 3 2 1	1 2 3 4 5 6 7	7 6 5 4 3 2 1	1 2 3 4 5 6 7 LEFT

	Case	Refill
Anterior	6 parts x 20 pcs each (120pcs/case)	1 part x 20pcs/pack
Posterior	8 parts x 20 pcs each (160pcs/case)	1 part x 20pcs/pack

CAD/CAM Milling Materials

ARTESANO

CAD/CAM Milling Hybrid Composite Resin Block Material

Type	Block with pin				
Size	S (10 x 12 x 15 mm)		M (12 x 14 x 18 mm)		
Packing	5 pcs / box				
Shades	A1	A2	A3	A3.5	A4
Usage	Crown / Inlays				

Physical Properties

3-Point Flexural Strength, MPa	194	JDMAS 245:2020
Compression Strength, MPa	526	Independent Test
Vickers Hardness	61	JDMAS 245:2020
Fluorescence	Yes	

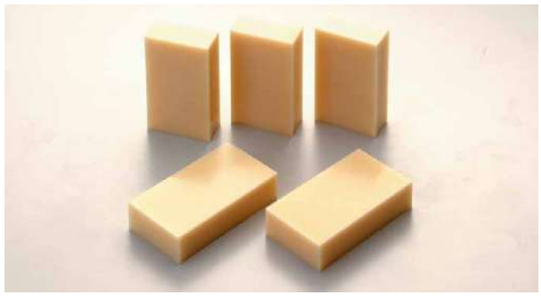
PMMA BLOCK (with Pin)

CAD/CAM Milling Acrylic Material

Type	Block with pin			
Size	S (15.4 x 19 x 39 mm)		M (15.5 x 19 x 55 mm)	
Packing	10 pcs / box			
Shades	A1	A2	A3	A3.5
	A4	B1	B2	B3
	B4	C1	C2	C3
	C4	D2	D3	D4
	W0.5	CLEAR		
	For shades other than A1, A2 and A3, minimum order quantity is 5boxes			
Usage	Temporary crowns and bridge			
	Model framework for casting			

PMMA BLOCK (without Pin) for ROLAND DWX-4

CAD/CAM Milling Acrylic Material



Type	Block for Roland DWX-4		
Size	76 x 40 x 20		
Packing	5 pcs / box		
Shades	A1	A2	A3
Usage	Temporary crowns and bridge		
	Model framework for casting		

PMMA DISK

CAD/CAM Milling Acrylic Materials

MONO-LAYER

V-PINK

Vein fibers-containing shade

Usage	Temporary crowns and bridges	Model framework for casting
	Clear：Nightguards, Splints, Surgical guides	V-Pink：Denture production

Type	Open										**Diameter(mm)**		98.5	
Thickness(mm)	10	12	14	15	16	18	20	22	25	30	**Packing**		1 pc / box	
Shades	A1		A2		A3		A3.5		A4		B1	B2	B3	B4
	C1		C2		C3		C4		D2		D3	D4	W0.5	
	Clear : Clear is also available in 35mm													
	V-Pink : Available in 18, 20, 22, 25 and 30mm													

Type	Zirkonzahn									**Diameter(mm)**	95
Thickness(mm)	12	14	15	16	18	20	22	25	30	**Packing**	1 pc / box
Shades	A1		A2		A3		A3.5	A4	B1	B2	B3
	B4		C1		C2		C3	C4	D2	D3	D4
	W0.5		Clear								
	V-Pink : Available in 20, 22, 25 and 30mm										

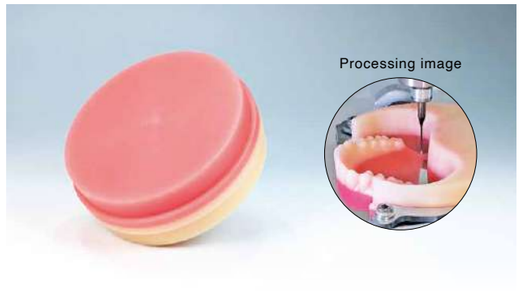
Type	Amann Girrbach									**Diameter(mm)**	101
Thickness(mm)	13				20					**Packing**	1 pc / box
Shades	A1		A2		A3		A3.5	A4	B1	B2	B3
	B4		C1		C2		C3	C4	D2	D3	D4
	W0.5		Clear								
	V-Pink : Available in 20mm										

MULTI-LAYER

8-Layer-Concept with natural color gradient

Type	Open
Diameter(mm)	98.5
Thickness(mm)	20
Packing	1 pc / box
Shades	A3 (A1, A2 etc. coming soon)
Usage	Crowns and bridges
	Denture teeth production

DUAL COLOR

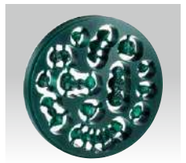


Type	Open
Diameter(mm)	98.5
Thickness(mm)	35（17.5mm＋17.5mm）
Packing	1 pc / box
Shades	V-Pink ＋A1,A2,A3,A3.5,B2,C2
Usage	Denture Production
	Copy Denture
	Temporary Denture

WAX DISK

CAD/CAM Milling Wax Material

Type	Open		
Diameter(mm)	98.5		
Thickness(mm)	10	12	14
	15	16	18
	20	22	25
Packing	1 pc / box		
Color	Green	Ivory	Blue
Usage	Model framework for casting		

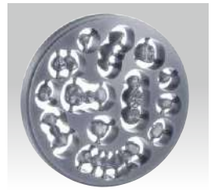


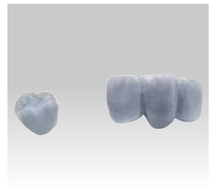
Type	Zirkonzahn	
Diameter(mm)	95	
Thickness(mm)	15	16
	18	20
	22	25
Packing	1 pc / box	
Color	Green	Ivory	Blue
Usage	Model framework for casting	

Type	Amann Girrbach	
Diameter(mm)	101	
Thickness(mm)	13	20
Packing	1 pc / box	
Color	Green	Ivory	Blue
Usage	Model framework for casting	

WAX DISK α

CAD/CAM Milling Wax Material

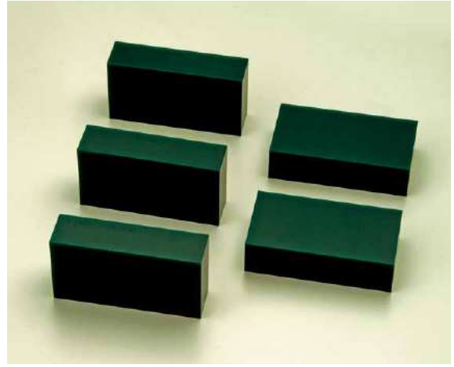


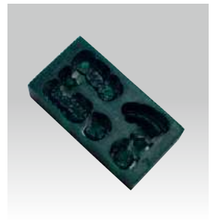


Type	Open		
Diameter(mm)	98.5		
Thickness(mm)	10	12	14
	15	16	18
	20	22	25
Packing	1 pc / box		
Color	Gray		
Usage	*Model framework invested with Cristobalite materials for rapid heating in castings of gold and palladium alloys.		
	*Model framework for casting		

WAX BLOCK (without Pin) for ROLAND DWX-4

CAD/CAM Milling Wax Material





Type	Block for Roland DWX-4
Size	76 x 40 x 20
Packing	5 pcs / box
Color	Green
Usage	Model framework for casting

3D Print Materials

TrinDy Model

3D Printing Resin

TPO Free

Designed for dental model fabrication.
Excellent printing accuracy, high-temperature elasticity, and stability as liquid are taken into account in the resin structural design, while not only meeting to the basic requirement of performance as fabricated dental models.

Usage
・Thermoforming models
・Orthodontic models
・Crown and bridge models
・Diagnostic models
・Implant analog models
Packing
1,000g bottle
Color

Gray　Beige　Yellow　Brown

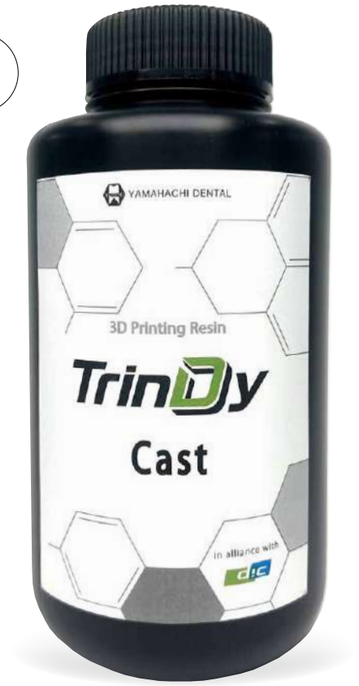
Property		Procedure	TrinDy Model
Flexural Strength	MPa	ISO178	65-75
Flexural Modulus	MPa	ISO178	≧2300
Shore Hardness	-	ISO48-4	≧D80
Viscosity	mPa･s		450-550

Printer：ASIGA MAX (ASIGA)
Second curing：Machine(Otoflash)/Condition(1×2000 flashes)

TrinDy Cast

3D Printing Resin

TPO Free



Designed for dental cast fabrication.
Excellent printing accuracy and clean burn out characteristics on micro-wax are taken into account in the resin structural design, while not only meeting to the basic requirement of performance as fabricated dental casts.

Usage
・Patterns for casting and pressing
・Crown and bridge
・Removable partial denture frameworks
Packing
1,000 g bottle / 500 g bottle
Color

Yellow

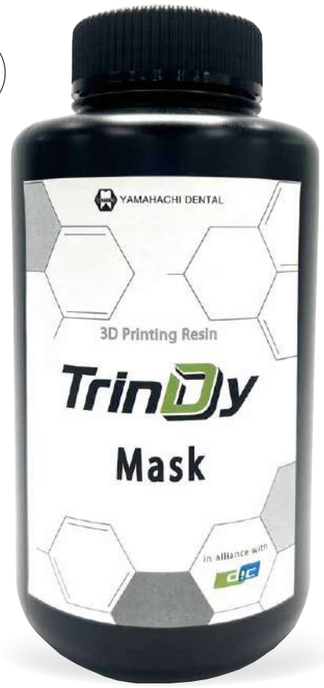
Property		Procedure	TrinDy Model
Flexural Strength	MPa	ISO178	20
Flexural Modulus	MPa	ISO178	640
Shore Hardness	-	ISO48-4	≧D65
Viscosity	mPa･s		300-400

Printer：ASIGA MAX (ASIGA)
Second curing：Machine(Otoflash)/Condition(1×2000 flashes)

TrinDy Mask

3D Printing Resin

TPO Free



Designed for gingiva mask fabrication.
Its excellent printing accuracy, elasticity and sufficient tear strength enable operators to look and feel the gum tissue on simulation.

Usage
・Gingiva masks
・Soft tissue for implant models
Packing
1,000 g bottle
Color
Pink

Property		Procedure	TrinDy Model
Tensile Strength	MPa	ASTM D412	2
Elongation at Break	%	ASTM D412	110
Shore Hardness	-	ISO48-4	≧A65
Viscosity	mPa・s		850-950

Printer：ASIGA MAX (ASIGA)
Second curing：Machine(Otoflash)/Condition(1×2000 flashes)

Synthetic Resins

BASIS

Acrylic Resin for Denture Base

BASIS is a heat-curing acrylic resin for denture bases. It is comprised of various sized particles which reinforce denture solidity and enhance the structure.

Heat-Curing Method: Immerse the flask in a container of tap water. Apply heat gradually for about 30minutes until boil. Let the resin completely cure for 30 – 40 minutes in boiling water. Cool the flask for about 30 minutes at room temperature. Recover denture after cooling completely.

Packing	Powder	Liquid
Retail	1kg, 3kg, 10kg	500mL (Pipette x 1), 1L, 17L

Shades (O PINK, V PINK, LF PINK and LFα are vein fibers-containing shades.)

CLEAR	O PINK*	V PINK*	LF PINK*
LFα*	LIGHT PINK	PINK	DARK PINK

Physical Properties (Tested with LF PINK)		
Powder/Liquid Mixing Ratio, g:mL	100 : 43	
Flexural Strength, MPa	78.7	ISO 20795-1:2013
Flexural Modulus, MPa	2813	ISO 20795-1:2013
Sorption, μg/mm^3	25.1	ISO 20795-1:2013
Solubility, μg/mm^3	0	ISO 20795-1:2013

BASIS HI

Acrylic Resin for Denture Base

BASIS HI is a heat-curing resin for denture bases.
Since it is more impact-resistant than standard denture base resin, the thickness of the base can be made thinner.

Packing	Powder	Liquid (Basis)
Retail	1kg, 3kg, 10kg	500mL (Pipette x 1), 1L, 17L

Shades (All shades are vein fibers-containing shades.)

O PINK	V PINK	LF PINK	LFα

Physical Properties (Tested with LF PINK)		
Parameter	Value	
Powder/Liquid Mixing Ratio, g:mL	100 : 43	
Flexural Strength, MPa	79.3	ISO 20795-1:2013
Flexural Modulus, MPa	2558	ISO 20795-1:2013
Sorption, μg/mm^3	24.8	ISO 20795-1:2013
Solubility, μg/mm^3	0.2	ISO 20795-1:2013
Residual Monomer, wt%	0.64	ISO 20795-1:2013

* Please use with the BASIS Liquid.

Heat-Curing Method: Immerse the flask in a container of tap water. Apply heat until boil. Let the resin completely cure for 30 – 40 minutes (Curing time starts when the water with the flask has started to boil). Cool the flask for about 30 minutes at room temperature. Recover denture after cooling completely.

BASIS TWIN CURE

Heat Shock and Microwave-Curing Resin for Denture base

SS FRP Flask for Microwave-Curing

BASIS TWIN CURE is a denture base resin material applicable for both Heat Shock and Microwave-Curing methods.

Heat Shock-Curing Method: Immerse the flask in boiling water for 15 minutes. Cool the flask for about 30 minutes at room temperature. Recover denture after cooling completely.

Microwave-Curing Method: Put the flask* into the microwave machine at 500W and cure for 3 minutes. In case where metal wire (clasp, etc.) is used, invest plaster and put water (about 180 mL) on the side of flask and then apply the microwave. Recover denture after cooling completely. *Use SS FRP microwave-curing flask.
Using conventional denture base resin, formation of void spaces translate into denture porosity thus prone to fractures, cracks and deformations.

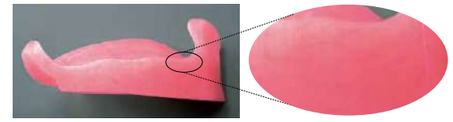
Packing	Powder	Liquid
Retail	1kg, 10kg	500mL (Pipette x 1), 17L

Shades (All shades are vein fibers-containing shades.)

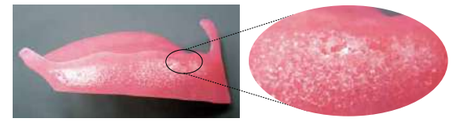
O PINK	V PINK	LF PINK	LFα

Physical Properties (Tested with LF PINK)	Curing Method		
Curing Method	Heat Shock	Microwave	
Powder/Liquid Mixing Ratio, g:mL	100 : 40		
Flexural Strength, MPa	79.5	68.9	ISO20795-1:2013
Flexural Modulus, MPa	2842	2387	ISO20795-1:2013
Sorption, μg/mm^3	25.6	29	ISO20795-1:2013
Solubility, μg/mm^3	0.1	0.5	ISO20795-1:2013
Residual Monomer, wt%	0.99	0.51	ISO20795-1:2013

Basis Twin Cure



Conventional Acrylic Resin



BASIS FLOW II

Multipurpose Self-Curing Pourable Acrylic Resin

BASIS FLOW II is a multipurpose pourable cold-curing acrylic resin.

Pressure-Curing Method: Pressure-polymerize the resin for 30 – 60 minutes at 55˚C and 0.2MPa in a pressure pod.

Packing	Powder	Liquid
1-1Set	650 g	500 mL
	Accessories: (Plastic Cup, Spatula, Measuring Spoon, Cylinder Cup, Pipette) x 1 each	
Retail	500g, 10kg	500mL (Pipette x 1), 4L

***Shades** (O PINK, V PINK, LF PINK and LFα are vein fibers-containing shades.)

CLEAR	O PINK*	V PINK*	LF PINK*	LFα*

Physical Properties (Tested with LF α)		
Powder/Liquid Mixing Ratio, g:mL	100 : 60	
Flexural Strength, MPa	77.6	ISO 20795-1:2013
Flexural Modulus, MPa	2578	ISO 20795-1:2013

BASIS ELAST

Thermoplastic Resin Material for Denture Base (Polyamide)

BASIS ELAST is a rigid-type and monomer-free polyamido denture base material with moderate elasticity suitable for non-metal clasp denture applications. **BASIS ELAST** is a flexible material.

Packing	Shade
300g	MARBLE α
Accessory	**Aluminum Tubes** (φ=2.5cm)

Physical Properties		
Parameter	**Value**	
Flexural Strength, MPa	55.3	ISO 20795-1:2013
Flexural Modulus, MPa	1252	ISO 20795-1:2013
Sorption, μg/mm³	30.4	ISO 20795-1:2013

Injection Parameters:
Dry **BASIS ELAST** pellets at 80-90℃ for 6hours before use; Melting Temperature 290℃; Melting Time 17min.; Injection Pressure 0.8MPa; Flask Temperature 60-90℃

ACRY PELLET

Thermoplastic Resin Material for Denture Base (Acrylic)

The acrylic resin composition allows it to be used for repairing with self-curing resin and rebasing with relining materials.

Packing	Shade
1kg	MARBLE H ※Vascular Pattern (without fiber)

Physical Properties		
Parameter	**Value**	
Flexural Strength, MPa	47.9	ISO 20795-1:2013
Flexural Modulus, MPa	1517	ISO 20795-1:2013
Sorption, μg/mm³	24.9	ISO 20795-1:2013

Injection Conditions:
Please set automatic oven at 80℃ and use pellet after 6 hours of drying.
Melting Temperature 275℃ ／ Dissolution Time 22 minutes
Working Pressure 9atm ／ Flask Heating 100℃

BASIS PC

Thermoplastic Resin Material for Denture Base (Polycarbonate)

Aluminum Tubes

Packing	Shades		
1 kg	CLEAR	CLEAR PINK	MARBLE PINK
Accessory	**Aluminum Tubes** φ=2.5cm		
Type	Soft	Hard	
Height, cm	10	4.4	7.8	8.5
Pellets Weight, g	32	12	24	26

Physical Properties (Tested with MARBLE PINK)		
Parameter	**Value**	
Flexural Strength, MPa	92.4	ISO 20795-1:2013
Flexural Modulus, MPa	2255	ISO 20795-1:2013
Sorption, μg/mm³	5.9	ISO 20795-1:2013
Solubility, μg/mm³	0.2	ISO 20795-1:2013

Injection Parameters:
Dry **BASIS PC** pellets at 120℃ for 6-16hours before use; Melting Temperature 305℃; Melting Time 25min.; Injection Pressure 0.9MPa; Flask Temperature 90℃

BASIS PC is a new semi-flexible thermoplastic injection resin base material.
BASIS PC is allergic reaction-free, odorless and easy to polish. It is applicable for both full and partial dentures injection technique.

PROVIFINE

Fast Setting Self-Curing Resin

PROVIFINE is a self-curing resin.

Packing		Type	Physical Properties (Tested with A2)					
Powder	Liquid		Powder/Liquid Mixing Ratio, g:mL	**Hardening Time (23℃) Independent Test	Flexural Strength, MPa ISO10477:2004	Vickers Hardness, Hv Independent Test	Sorption, μg/mm³ ISO10477:2004	Solubility, μg/mm³ ISO10477:2004	Residual Monomer, wt% ISO20795-1:2013
50 g, 250 g	100 mL, 260 mL	**Normal**	100 : 50	5 min	72.1	13.4	21	1.1	1.56
		Fast		3 min	75.9	13.1	19.6	0.4	1.47
Shades		CLEAR	LF PINK	LF α	A1	A2	A3		

* (LF PINK and LF α are vein fibers-containing shades.)
** Hardening time value using prescribed powder/liquid mixing ratio at 23℃. Hardening time at lower and higher room temperature will become longer and shorter, respectively.

Usage	• Production of inlays, dental crowns and bridges • Denture repairs

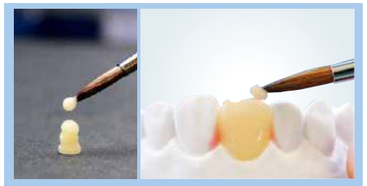
Self-curing resin with High Liquidity at the Time of Pouring, Low Sagging, Easy to Build-Up at the Time of Brush Loading!

Operability

High Liquidity at the Time of Pouring

Due to high liquidity, the resin can be poured in to the fine details of the Silicone Core.

Low Sagging, Easy to Build-Up at the Time of Brush Loading



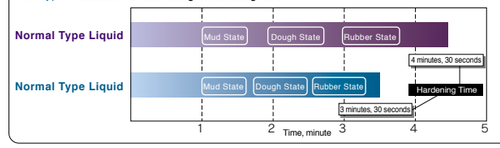
The resin is easy to shape without hanging and can be manipulated to the desired form.

In case where fluidity is desired and want to adapt the resin

After applying the powder and liquid on the brush tip, the resin will build up faster than usual.

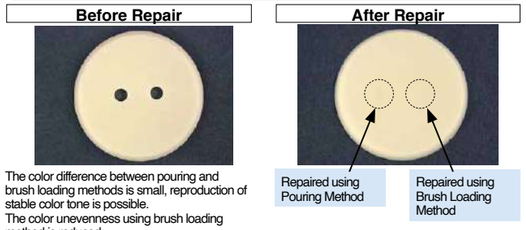
Operation time can be selected according to liquid type to be used

Two types of liquid, normal and fast, with different curing times are made available.
Preferred operation time can be selected. * Powder is common to normal and fast types liquid.
Normal Type – Suitable when time clearance is required during work.
Fast Type – Suitable for shortening the working time.



Aesthetics

Example Using Shade A3 for Repair



The color difference between pouring and brush loading methods is small, reproduction of stable color tone is possible.
The color unevenness using brush loading method is reduced.

RE-FINE BRIGHT

Fast Setting Self-Curing Resin

1-1 Set Packing

Powder and Liquid Retail Packing

RE-FINE BRIGHT is a self-curing resin.

Packing	Powder	Liquid
1-1Set	250 g	260 mL
	Accessories: (Silicon Cup, Paint brush (Thin and Thick), Cylinder Cup, Pipette) x 1 each	
Retail	250 g	260 mL (Pipette x 1)

***Shades** (O PINK, V PINK, LF PINK and LFα are vein fibers-containing shades.)

CLEAR	O PINK*	V PINK*
LF PINK*	LFα*	PINK
A2	A3	A3.5

Usage	• Production of inlays, temporary dental crowns and bridges • Denture repairs

Physical Properties (Tested with LF PINK)

Parameter	Value	
Powder/Liquid Mixing Ratio, g:mL	1 : 0.5	
*Hardening Time (23℃)	3min 15sec	Independent Test
Flexural Strength, MPa	56	ISO 20795-1:2013
Vickers Hardness, Hv	10.5	Independent Test
Sorption, μg/mm³	19.3	ISO 20795-1:2013
Solubility, μg/mm³	2.5	ISO 20795-1:2013
Residual Monomer, wt%	3.4	ISO 20795-1:2013

* Hardening time value using prescribed powder/liquid mixing ratio at 23℃. Hardening time at lower and higher room temperature will become longer and shorter, respectively.

PATTERN BRIGHT

Self-Curing Acrylic Resin for Patterns

PATTERN BRIGHT is a self-curing resin for various pattern applications. With its very low polymerization shrinkage, as minimum as 0.72%, a compatible and satisfactory pattern is achieved. Hardening time is designed for speedy-work completion. When brush method is used, pattern production is made easy thanks to its excellent viscosity property. An almost no incineration residue results to smooth surface of the casting body, thus requires only minimal polishing.It can be used to create jigs for implant cases.

Packing	Powder	Liquid	Shade
1-1Set	100 g	100 mL	Pink
	Accessories: (Silicon Cup, Paint Brush, Pipette) x 1 each		
Retail	100 g	100 mL (Pipette x 1)	
Usage	• Making out patterns on metal plates, lingual bars, palatal bars and connectors • Production of patterns on various clasps • Production of various Konuskronen telescope exterior crown patterns • Production of bonded bridge patterns • Temporary bonding of worn wax		

Physical Properties

Parameter		Value	
Powder/Liquid Mixing Ratio, g:mL		100 : 50	
*Hardening Time (23℃)		3m 27sec	Independent Test
Flexural Strength, MPa		68	JIST6518:2011
Polymerrization Shrinkage (23℃)	In 5 min	0.60%	Independent Test
	In 10 min	0.78%	Independent Test
	In 24 hr	0.91%	Independent Test
Incineration Residue (700℃)		0.05%	ISO1584:2021

* Hardening time value using prescribed powder/liquid mixing ratio at 23℃. Hardening time at lower and higher room temperature will become longer and shorter, respectively.

BASING RESIN and BASING RESIN α

Self-Curing Acrylic Resin for Custom Trays and Base Plates

BASING RESIN and BASING RESIN α are self-curing, non-adhesive resins for base plates and individual trays. Non-adhesiveness offers moulding by spatula or fingers possible. **BASING RESIN α** is specially formulated for firmer adherence and easy handling of wax on bases and trays.

Types		
Product Name	**Liquid Type**	***Hardening Time, min**
Basing Resin	Normal	5 min 5 sec Independent Test
	Slow	7 min 48 sec Independent Test
Basing Resin α	Normal	5 min 32 sec Independent Test
	Slow	7 min 20 sec Independent Test
Powder/Liquid Mixing Ratio, g:mL		100 : 35

* Hardening time value using prescribed powder/liquid mixing ratio at 23℃. Hardening time at lower and higher room temperature will become longer and shorter, respectively.

Packing	Powder	Liquid
1-1Set	1 kg	500 mL
	Accessories: Pipette x 1	
	Basing Resin α 1-1Set is not available.	
Retail	1kg, 10kg	500mL (Pipette x 1),17L Basing Resin α available in 500mL only.
color	PINK	BLUE

LIGHT RESIN PLATE

Light Curing Resin for Custom Tray and Base Plate / Resin For Dental Impression Trays

Characteristics:

- Custom trays and base plates can be produced quickly.
- Since the material is in plate form, there is no need to mix powder and liquid.
- When LED TRAY CURE(YAMAHACHI) is used, quick polymerization in about 30 seconds is possible.

*If the polymerization is weak, work on the back side as well.

- Uniform thickness can be obtained.
- The light-polymerization type allows for more time to work.

Application:

- Production of custom tray and base plate

Color	PINK
Effective Wavelength	360-400nm
Packing	Thickness 2.2mm (50pcs/box)
	Thickness 1.5mm (50pcs/box)

ORTHO BRIGHT

Self-Curing Resin for Orthodontic Applications

Packing	Powder	Liquid
1-1Set (Starter Kit)	100 g	70 mL
	Accessories: (Silicon Cup, Cylinder Cup, Powder Container, Pipette) X 1 Each; Pipette Nozzle X 3	
Retail	500 g	250 mL (Pipette x 1)
Shades	CLEAR	*PINK
	*PINK: The liquid is PINK.	

ORTHO BRIGHT COLOR

Self-Curing Resin for Orthodontic Applications

Packing	Powder	Liquid
1-1Set (Starter Kit)	50 g (x 5 shades)	70 mL
	Accessories: (Silicon Cup, Cylinder Cup, Pipette, Shade Guide) X 1 Each; Pipette Nozzle X 3	
Retail	250 g	250 mL (Pipette x 1)

Shades				
CLEAR	BLUE	RED	ORANGE	GREEN

ORTHO BRIGHT and ORTHO BRIGHT COLOR

Usage: All types of Splint, Functional Orthodontic Appliances, Deciduous Dentures, Temporary Dentures, Individual Trays

Features:

- Hardening time for complete polymerization reaction extends to about 8 minutes allowing for sufficient working time.
- Liquid monomer diffuses into the interstices of the polymer beads – releasing tension – migrates evenly and then absorbs by the matrix to form a homogenous fluid state. Diffusion of the liquid is like percolation of water into the sand. Excellent viscosity prevents the mixture fluid from sagging or slopping allowing for accurate control and shaping.

• Methods of Use

Sprinkle Technique. Apply a separating agent for denture base to a plaster model. Perform preparation such as wax relief and fixing wires. Sprinkle liquid onto the powder until basement is formed. When the shine of the resin has disappeared, form the model using fingers. When resin elasticity is felt, immerse in water at 40-50˚C (Placing in a pressure pot is recommended in order to minimize air bubble formation.)

Mixing Technique. Measure appropriate amount of powder and liquid. Put powder into liquid and mix using spatula or mixing stick. Mix slowly to avoid air bubble formation. When the mix has turned into paste-like body, pour into model. When the shine of the resin has disappeared, form the model using fingers. Use Sprinkle Technique for narrow parts. When resin elasticity is felt, immerse in water at 40-50˚C (Placing in a pressure pot is recommended in order to minimize air bubble formation.)

Resin Packing Technique. Follow Mixing Technique for preparation. When the resin reaches the doughy state, immediately pack into the flask. Press the flask by hydraulic press until polymerization is complete (operate pressing before the curing process starts, refer to hardening time).

Brush On Technique. Put appropriate amount of powder and liquid to their corresponding containers. Wet the tip of the brush and dip into the powder. Take desired amount of powder to suffice powder load. Stack the load mixture until desired amount is achieved. Let hard-polymerize. Bigger brush is recommended for efficient results.

Waxes

PARAFFIN WAX

Dental Use Paraffin Wax

Packing	Type	Color	Size
500g / 1kg / 5lbs	Soft / Medium	Light Pink Pink	Regular (146 x 74 x 1.4mm) Large (170 x 85 x 1.4mm)

ROLLING WAX

Dental Use Sprue Wax

Packing	Diameter, mm	Color
All sizes 270g / box	5	Pink
	6	
	7	
	8	

Features:
- User-friendly pliability for straightforward sprue applications
- Convenient dispenser box guaranteeing wax protection

CARVING WAX

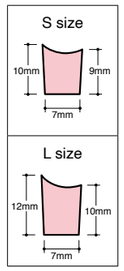
Dental Use Modeling / Waxing – up

Packing	Type		Color		
	Cylinder	Stick	Ivory		Gray
	50g	140g (60 sticks)	Red	Blue	Green

Features:
- **Superb solidity.** Unaffected by varying atmospheric conditions
- **High opacity and excellent color stability**
- **Exceptional thermal expansion capacity.** Non-vulnerable to deformation due heat effects, robust shape guaranteed
- **Burns out clean** with very little residue.
- Minimal chipping, non-sticky to hands and instruments, outstanding shaving

BITE RIM STICK

Dental Use Pre-fabricated Wax for Occlusion Rims



Packing	Sizes*		Length	Color
	S (Short)	L (Long)	25 cm	Red
	50 sticks / box (All sizes)			Light Pink

*sizes pertain to the arc length of the concavity

Features:
- Available in two sizes to appropriately fit the alveolar ridge's surface area
- **No waste.** One stick sufficient for ridges of two full dentures

DIPPING WAX

Dental Use Coping Wax

Packing	Net Weight	Color
	200g	Yellow
Melting Range: (65 – 75) ℃		

Features:
- Optimum Elasticity
- Burns out clean
- Minimal Shrinkage
- Excellent color stability even after repeat use

Relationship between Coping Thickness and Temperature

Temperature, ℃	80	85	90
Thickness, mm	0.57	0.49	0.45

*Condition: Dipping Time 0.5second at 25℃

PRO UTILITY WAX

Dental Use Utility Wax

Packing	Sizes		Type / Hardness		Color
	Long (5x280)mm	Short (5x140)mm	Soft	Hard	Red
	125g / box				

Features:
- Soft, adhering and expandable wax
- Soft and Hard types provide extensive range of practical applications
- Ultimate variety in utility waxes

KOLBEN WAX

Dental Use Base Margin Forming Line Wax

Packing	Size	Color
	(2.2diameter x 200)mm	Red
	500pcs / box	

Features:
- Time-saving base margin and shape moulding wax
- Easy to use and fix own design

BITE WAX PRE-CUT TYPE

Dental Use Pre-Cut Sheet Wax

Size	(137 x 73) mm
Pre-Cut Sheet Size	(15 x 73) mm
Packing	500g / box

Features:
- Wax for occlusion adjustment of natural teeth or denture.
- Can be easily separated as they are pre-cut at 15mm- intervals.
- Uses hard wax, minimal deformation can be achieved after bite-taking procedure.
- Softens at low temperature, difficult to break even in the thin film state, can easily take the occlusion impression.
- Occlusion impression is relatively easy to obtain with minimal strain and deformation.

PRO LINE WAX

Dental Use Pre-fabricated Casting Line Wax

Features:

- Exceptionally recommended for casting alloys for bases, clasps and sprue lines.
- **Optimum Elasticity.** High endurance over breaking on curve applications
- Superior welding abilities and applicable for wide range of uses
- **Mediated Casting Flow.** Glossy and smooth surface allows casting metal to flow easily

PRO LINE WAX Form and Packing

Type	Shape	Diameter, mm	Height, mm	Usage	Packing, pcs / box
YR 05		(0.5)	-	Resin retaining Line of Metal Bases and Vents	120
YR 07		(0.7)	-		
YR 10		(1.0)	-		
YR 12		(1.2)	-	Sprue Line of Crowns, Bridges and Inlays	120
YR 15		(1.5)	-		
YR 20		(2.0)	-		
YR 25		(2.5)	-		60
YR 32		(3.2)	-	Sprue Lines of Metal Bases	30
YR 35		(3.5)	-		
YR 40		(4.0)	-		
YR 50		(5.0)	-		12
YR 60		(6.0)	-		10
YH 14		1.4	1.1	Clasps	120
YH 16		1.6	1.1		
YH 18		1.8	1.1		
YH 19		1.9	1.0		
YH 22		2.2	1.2		
YH 28		2.8	1.1		
YP I		4.0	1.0	Palatal Bars	60
YP II		4.0	1.5		
YL I		3.1	1.4	Lingual Bars	60
YL II		3.5	2.0		

Separating Agent and Cleansing Agent

Separating Agent and Cleansing Agent

APOLLON SEP (Normal)

Denture Base Separating Agent

Apollon Sep is a separating agent for resin denture bases with sodium alginate solution as the main ingredient, effective on flasks and plaster separation tasks.

Packing	500 mL	2 L	18 L

APOLLON SEP (Low Viscosity)

Denture Base Separating Agent

Apollon Sep Low Viscosity offers easier work application. Handling becomes easier when used with the Spray Bottle.

BREAK

Plaster Dissolution Agent

Packing	1 L	2 L	18 L

Dissolves plaster and gypsum left attached to dentures and cast materials. Progress of dissolution can be judged by the changing of the liquid color.

WAX PATTERN CLEANER

Wax Pattern Strewing Agent

Packing	180 mL (Spray Type)

Wax Pattern Cleaner application before investing enables for smooth painting of the investment and prevents porosity and uneven surface on the casting materials.

WAX PATTERN CLEANER AQUA

Wax Pattern Strewing Agent (Spray-Type)

Packing	20 g / bottle

Lubricates casting surface, prevents bubble generation and uneven surface of the casting material. It can also be used for dental resin patterns since it does not contain ethanol.

APOLLON VARNISH

Wax Pattern Separating Agent

Packing	100 mL (Paint Type)

Wax pattern separating agent consisting mainly of surfactant for easy separation of applied wax pattern onto the surface of dentures, plaster casts and metals.

BRUSH CLEANER

Brush Cleaner for Self-Curing Resin

Packing	100 mL

Indication for Use:
- Removal of residual self-cure resin adhered on the brush
- Removal of polisher rouge stained on a casting object
- Removal of instant glue on a dowel pin

Usage: Pour appropriate amount of the liquid in a rubber cup, glass bottle or duppen glass. Immerse tissue paper for 5 minutes, and then use the wet tissue to wipe off the resins.

Separating Agent and Cleansing Agent

TK SILICONE CLEANER

Silicone Surface Lubricating Agent

Packing	180 mL Spray Type (LPG)

Indication for Use:
- Spray TK Silicone Cleaner for smooth flow of model agent and prevention of bubbles from entering into the silicone impression or duplicate impression.

DOWEL PINS CLEANER

Instant Glue Powerful Solvent

Packing	300 mL

Dip the Dowel Pin with adhered instant glue into the ultrasonic cleaner with undiluted Dowel Pin Cleaner for 4 to 5 minutes.

When contact with fingers or hands, rub for 3 to 4 minutes with infiltrating absorbent cotton and wash using cold water.

CLEAN UP

Non-Heating Gold and Palladium Alloys Cleaning Liquid

Packing	500 mL

Clean Up is a cleaning agent for the removal of Gold oxide and Palladium oxide layers without evolution of heat. Please use undiluted liquid.

TRAY CLEANER (Powder)

Alginate Impression Materials Cleaning Agent

Packing	1 kg (spoon included)

Tray Cleaner is a fast-acting tray cleaner for the removal of alginate impression materials by carbonization and simultaneously sterilizes and deodorizes the tray.

Usage: Mix 50g-100g of powder and mix with 1L of water.

*The powder dissolves faster at higher temperatures.

TRAY WASH (Liquid)

Alginate Impression Materials Only Cleaning Agent

Packing	1000 mL

Tray Wash is for rapid removal of alginate impression material adhered to trays. It is an excellent corrosion resistance agent for aluminum, nickel and chromium-plated trays.

Usage: Dilute with water by 10 parts. For severe dirt application, please dilute with water by 5 parts.

PIPE CLEAN (Liquid)

Dental Drain Pipes Cleaner

Packing	1000 mL

Pipe Clean has an excellent sterilizing and deodorizing abilities, it prevents the outbreak of unpleasant odors. It assists in washing off and decomposition of organic residues (blood, saliva, etc.) which can stain drainpipes and cuspidors.

Usage: Dilute with water by 10 parts. For severe dirt application, please dilute with water by 5 parts.

POLISH CLEANER

Cleaning Liquid Exclusively for Ultrasonic Cleaners

Packing	1000 mL

Polish Cleaner is developed as a cleaning agent for ultrasonic cleaners. It is transparent, rapidly removes all adhered rouge abrasives on the prosthetic appliances and eugenol cements.

MIRROR CLEANER

Rouge-Type Abrasives Cleaning Liquid

Packing	1000 mL

Mirror Cleaner is cleaning agent for rouges adhered to prosthetic appliances.

Usage: Mix 5mL of Mirror Cleaner with hot water for resins; mix 100mL of Mirror Cleaner with lukewarm water for metals and use ultrasonic cleaner for 2 – 3 minutes.

HAND CLEANER

Hand Wash Powder Soap

Packing	1 kg

Hand Cleaner has an outstanding effect for washing hands after polishing works. It thoroughly cleans the dirt, sand and abrasives; it can also be used for cleaning various instruments.

Abrasive Materials / Polishing Materials

SILICONE BIG

Silicone Big Points

Features:
- Excellent durability and stability.
- Wear occurs evenly and slowly, polishing power is exceptional.
- Seven varieties are available
- Unrivalled cost performance.

Packing	10pcs / box	100pcs / box
Working Speed	Max. 15,000rpm	
Size	L x W = 23 x 9.5 mm	

Specifications							
Appearance							
Polishing Code	C – 2	C – 3	M – 1	M – 2	M – 3	F – 2	F – 3
Polishing Texture	Coarse		Medium			Fine	
Color	Black	Gray	Dark Brown	Brown	Light Brown	Green	Light Green
Usage	Lab use composite	Acrylic	Amalgam, Precious Alloys	Lab use composite	Acrylic	Lab use composite	Acrylic

NEW SILICONE POINTS II

Silicone Polisher

Polisher Code	Working Speed	Packing
#10, #13, #13S #28, #114	Max. 30,000rpm	12pcs / box 72pcs / box
#162	Max. 15,000rpm	12pcs / box 72pcs / box
Cylinder (Mandrill x 1pc)		72pcs / box
Cup	Max. 30,000rpm	12pcs / box, 72pcs / box

Color	Polishing Texture
Brown	Medium

Specifications								
Shape								
Polisher Code	#10	#13	#13S	#28	#114	#162	Cup	Cylinder

Uses: Intermediate Polisher for Metal Alloys, Palladium Alloys, Acrylic Resin

Features:
- Contains combination of fine abrasive grains for shiny polish.

MANDREL CYLINDERS

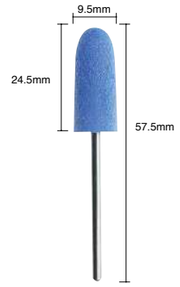
Dental Use Mandrels

Features:
- Mandrels for Hand Piece Use New Silicone Point II and Cylinder Type Polishers

Packing
12 pcs / pack

URETHANE BIG

Urethane Big Points

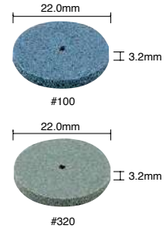


Packing	10pcs / box
Working Speed	Max. 15,000rpm
Size	L x W = 24.5 x 9.5 mm

Features:
- **Wobble-Free Polish.** Stable rotation and fine cushion from advanced Japanese technology result in ultra-smooth polishing experience.
- **Efficient Bubble Buffer.** Heat-absorbing sponge-like polisher allows for heat-guarded and extended wear polishing.
- **Multi-Purpose Polisher.** Highly effective polisher for wide range of applications: soft lining materials, mouthguards, splints, nylon, acrylic resin and metals.

URETHANE DISK

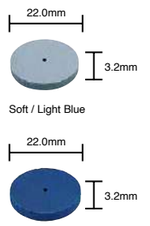
Urethane Wheels



Packing	20pcs / box
Working Speed	Max. 15,000rpm
Size	D x W = 22 x 3.2 mm
Color	**Polishing Texture**
Blue (#100)	Coarse
Green (#320)	Medium

ART POLISHER

Silicone Wheel for Cobalt-Chrome Modifications



Packing	20pcs / box	50pcs / box	**Polishing Usage**
Working Speed	Max. 20,000rpm		
Size	D x W = 22.0 x 3.2 mm		
Type / Color	Hard / Blue (Medium Polish)		Cobalt-Chrome
	Soft / Light Blue (Medium Polish)		Au, Ag, Pd Alloys

YAMAHACHI CUTTING DISK

Metal Alloys Sprue Cutting Disks

Made with sharp edge to speedily cut sprues of silver, palladium alloy of course, nickel chrome alloy, up to cobalt-chrome alloy.

Type	Size (Diameter x Thickness)	Packing	Usage	Working Speed
A	25 x 0.35 mm	50 pcs / box	Metal Alloy Sprues	Max. 15,000 rpm
B	25 x 0.60 mm	30 pcs / box	Metal Alloys	
C	38 x 0.60 mm	50 pcs / box	Metal Alloys	
E	22 x 0.23 mm	50 pcs / box	Ceramic	

CERAMIC FIBER POINT

Dental Use Polisher

Type	Green (Coarse) #140 - #180
	Orange (Medium) #320 - #400
	Red (Fine) #1200 - #2000
Dimension	ϕ 2.35 x 50mm
Packing	1pc / pack

Uses:
- Polishing around pit fissures of inlay crowns
- Removal of air bubble inside the crown or clasp
- Fine adjustment or modification of resin and metal base or attachment
- Shape modification of Porcelain

Features:
- Sharp alumina fiber always protrudes on the surface allowing for excellent abrasion.
- Alumina fiber filled in high density packing to achieve clogging and minimal heat emission.
- Uniform-sized Alumina fibers packed in high density for reduced consumption.
- Does not break even at thinner diameter because of balanced required elasticity.

Attention: Operate at less than 20,000rpm. Follow the instruction of the hand-piece machine and check if the material is properly fixed. Check if material revolves evenly before use. Wear eye protector, mask for safe use. Do not use the product other than indicated by the manual.

CFP HOLDER

Dental Use Mandrel

Features:
- The shortened ceramic fiber can be extended by mounting in CFP Holder.

* Please use glue when mounting the point in the holder.

Packing
5 pcs / case

DIAMOND BRUSH

Coarse Polishing Brush for Acrylic and Sulfonamide Resin

Features:
- Fiber brush is made up of specially formulated chemical fiber material that is static electricity inert – does not become dusty during polishing.
- Brush contains polishing powder material for fine polishing performance.
- Highly durable.

Packing	3 pcs / box	
Type	Soft (ϕ67x15mm) Brush Line = 2	Regular (ϕ67x15mm) Brush Line = 2 & 3

HOG(High Quality) HAIR BRUSH

Dental Polisher Horse Hair Lathe Brush

Features:
- Center hub is made of solid wood resulting in minimal bristle loss.
- Bristle is made up of fine elastic material to assure good polishing contact resulting in excellent cleaning.

Packing	12 pcs / box		
Type	Number of Brush Line		
	1	2	3

HOG HAIR BRUSH

Dental Polisher Hog Hair Lathe Brush

Features:
- Finest quality hog hair used making it suitable for coarse polishing of acrylic resin.
- Very satisfactory polishing performance is achieved when used with Sulfone Sand.

Packing	12 pcs / box		
Type	Number of Brush Line		
	1	2	3

MIRROR BUFF

Dental Polisher Finishing Buff

Features:
- Made from natural hemp suitable for finish polishing of metals and resins. High polishing capability and economical.
- Can skip sand paper process to cut down work time 3-5 times more efficient.

Packing	1 pc / pack
Size (Diameter x Thickness)	75 x 10 mm

MILLION BUFF

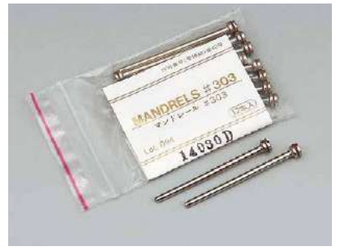
Dental Polisher Finishing Buff

Features:
- Material made-up of Cotton.

Packing	1 pc / pack
Size (Diameter x Thickness)	90 x 10 mm

MANDRELS #303

Dental Use Mandrels



Packing	12 pcs / pack

MP POWDER

Dental Polishing Material

Uses:
- Composite resin and Palladium alloys

Features:
- Used with MP BUFF, covers a whole range of polishing tasks from modifying to burnishing.
- Dust free.
- No polishing material debris deposited on the tooth neck.

Packing	1kg / pack
	1kg x 3 / box
	7kg / can

MP BUFF

Dental Polisher Buff

Uses:
- Recommended for use with MP POWDER after trimming but before final polishing.
- Hybrid Resins and Metals (using MP POWDER)

Features:
- No scattering of buff material debris.
- Removes all remaining powder clean.

Packing	1 pc / pack
Size	ϕ90 x 7mm

CREAMY SAND

Dental Polishing Sand

Features:
- Sand forms like a cream making work easier and trouble-free application and polishing
- Outstanding polishing performance with brilliant luster finish.
- Cuts down polishing work time by 50%.

Packing	3kg x 2 / pack

SULFONE SAND

Dental Polishing Sand for Sulfone and Acrylic Resin

Features:
- Optimal polisher for sulfone dentures with excellent luster result.
- Outstanding polishing performance with exceptional gloss finish.
- Cuts down polishing work time by 50%.

Packing	1.5kg x 2 / pack

GLASS BEADS

Blaster Use Beads

Uses: #705 For Sand Blaster Use
#733 For Pencil Blaster Use

Packing	2kg / pack
Types	#705 (mesh size 149 - 250 μ)
	#733 (mesh size 44 - 88 μ)

SILKY SHINE

Dental Use Polisher

Uses:
- Polyamide, Polyester and Soft-Thermoplastic Resins

Features:
- Very satisfactory polishing performance is achieved when used with COTTON BRUSH.
- Liquid-type glossy finish for soft-thermoplastic resins.

Packing	30g / bottle

ALUMINOUS

Blaster Use Alumina

Uniformly selected Aluminum oxide beads size for superior blasting application.

Packing	2kg / pack
Mesh Size	44 - 74 μ

BLUE SHINE

Dental Final Polishing Paste

Uses: Composite Resin, Metal Alloys and Acrylic materials

Features:
- Exceptional polishing power, effortless luster and smooth finish
- Odorless results in comfortable polishing experience.
- Efficient cleaning saves polishing time

Note:
- Perform medium polishing appropriately before using BLUE SHINE.
- Too much use of polishing paste reduces polishing efficiency.

The product is water-based paste material. Water evaporates through time. Re-fill with clean water according to desired viscosity.

Packing	50g / pack
	300g / pack
	15kg / can

GRAZE POWDER

Dental Finish Polishing Material

Uses:
- Final polish for metal and resin materials.

Features:
- Polishing material that does not need rouge.
- Composed of fine ceramics which do not dirt hands and no effect on human body.
- All glossy polishing made easier by dissolving in water.

Packing	1.5kg / pack

Abrasive Materials / Polishing Materials

TIGER MULTI

Dental Medium Multi-Purpose Polishing Material

Uses: Titanium Alloy, Pure Titanium, Cobalt-Chromium Alloy, Hard-Soft Metals and Resin Polisher

Features:
- Made up of ultra fine Aluminum oxide powder that intensifies burnishing and sharpens polishing ability.
- Specially processed polisher that allows for thorough cleaning without leaving oily residue on appliances.

Packing and Size	400g / pack, 150 x 45 x 40mm

TIGER MULTI MINI

Dental Medium Multi-Purpose Polishing Material

Uses: Titanium Alloys, Pure Titanium, Cobalt-Chromium Alloy, Hard-Soft Metals and Resin Polisher

Features:
- Compact, easy to handle Tiger Multi Mini-type.
- Possible to work without touching the material directly, uses dirt-resistant plastic container.

Packing	120g

TIGER MULTI GOLD

Dental Medium Multi-Purpose Polishing Material

Uses: Gold Alloy, Silver Alloy and Gold-Silver-Palladium Alloy Polisher

Features:
- One product applicable both for scratch polishing and glazing of precious metal.
- Highly efficient in polishing precious metal for shiny results.
- In precious metal polishing, excessive thinning during polishing sis reduced.

Packing	120g

ARTE SHINE

Dental Final Polishing Paste

Package	25g
Type	Fine(RED)・Extra Fine(BLUE)

Uses: Final polishing

Range of Use: Zirconia /Porcelain/Glass ceramic /CAD/CAM /Hybrid Resin/ Hard Resin/

Image of Proper usage

Abrasive	Base Polishing	Glossy Surface
• Zirconia • Porcelain • Glass ceramic • Hybrid Resin • Hard Resin	FINE EXTRA FINE	

【Usage Example】Steps for polishing with ARTESANO

Step.1

Using CARBIDE BURS smooth surfaces after cutting of support pin.

Surface properties of material

Case of smooth

Case of coarse

Step.2

Final polish with the brush and Arte Shine Fine.

Step.2

Semi-polish using Silicone Point.

Step.3

Final polish with the brush and Arte Shine Extrafine.

Laboratory Equipments

LAB SCOPE S

Microscope for Dental Lab Technician

Packing	Box
Lab Scope S (body)	1 Unit
Eye Lenses (10X Magnification)	2 pcs
Mini Circle Light Joint Adapter	1 pc

Specifications

Magnification	10 X
Eye Lens	WF 10 x View 20 mm Real View 25 mm
Working Distances	120 mm
Mirror Body Formation	Straight type, rotates 360º
Mirror Body Function	Right side visibility adjustment ±5D
Eye Width Adjustment	(55 – 75) mm
Focus Adjustment	Adjustable with the flexible arm
Use Direction	Possible to fix in optional direction
Base diameter	148 mm
Relative Maximum Working Height	400 mm
Flexible Arm Length	190 mm

Usage

- Inspection of impression and plaster model surfaces
- Confirmation of margins after waxing and casting
- Examination of internal metal after casting
- Inspection of interiors and exteriors of metal bonded porcelain crowns
- Confirmation of the shifting areas on resin and porcelain
- Final inspection of finished prosthesis

Features

- Compact size and lightweight, easy to handle and requires little bench space
- Flexible neck allows angle adjustment, direction and height
- Protective Lens Cover supplied

LAB SCOPE S ACCESSORIES

LED CIRCLE LIGHT (100~240V)

Packing	
Bulb Light	1 pc
Bulb Light Holder	1 pc

LED CIRCLE LIGHT JOINT ADAPTER

Packing	
Joint Adapter	1 pc

*Customers without the joint adapter need to purchase one order to attach LED Circle Light.

LENSES

Packing	
WF5 Lenses (Magnification Power: 5X)	2 pc / set
WF20 Lenses (Magnification Power: 20X)	2 pc / set

Attachment

Attachment

What is KUGEL HOOK?

KUGEL HOOK offers solution for two aspects of dental application, namely tooth lose and denture mechanical stability. There are situations where decaying or severely damaged tooth has turned beyond repair. In this instance, tooth is extracted and a denture is consequently replaced. On the denture part, a variety of products are available which promotes mechanical stability of the denture relative to its surrounding mouth and gum. These include abutments, clasps and braces. This is the conventional process of resolving issues from tooth lose to denture replacement.

On the other hand, **KUGEL HOOK** has been conceptualized in order to alternatively abridge tooth lose and denture mechanical stability relationship. Along the process, instead of losing the tooth – **KUGEL HOOK** invokes utilization of its base and thence transforming into a denture hook. In this way, without losing the tooth completely, the gum integrity and natural teeth alignment are preserved.

【Female】

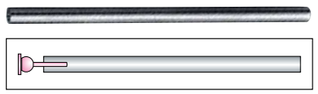
【Male Pattern】

【Setting Film】

1-Piece Male and Female

5-Piece Male and Female

Male Holder

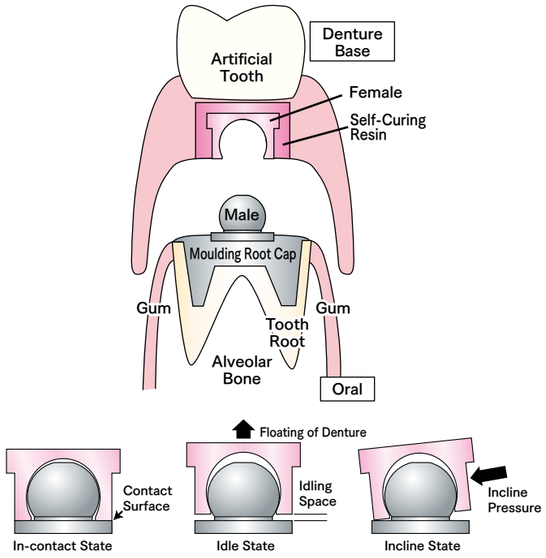


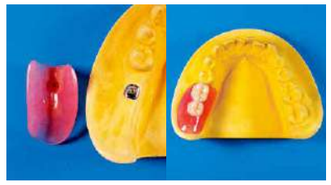
KUGEL HOOK

Attachment

Packing	
Male	1pc / box, 5pcs / pack
Male Holder	1pc / pack
Female	1pc / box (Setting Film x 2) 5pcs / pack (Setting Film x 10)

KUGEL HOOK is composed of male and female parts. The male part is used as the bolt impression of the tooth base for metal casting. The metal casting is cemented into the excavated tooth base. The plastic female part is precisely affixed in the interior part of the denture using self-curing resin, as a socket, where the bolt is to be attached. It acts as a bolt-and-socket device between supposedly gum and denture and therefore guarantees denture mechanical stability against grinding and chewing.





KUGEL HOOK portraits a semi-implant conservative approach addressing the matter over denture mechanical stability without sacrificing the tooth of concern entirely for a much more economical and faster recovery than any conventional implant technique.

Other Materials・Lab Side

GLOSSY COAT COLOR

Polymer-based Coloring Materials for Crown
Light-curing Resin Surface Gloss Characterizing Material

Characteristics:
- Intraoral and extraoral use available
- Free color tuning by mixing brown and clear

*Cannot be used on dentine

*This product cannot be used with visible light irradiators that use only blue LEDs (450-480nm) as a light source.

*When used in the intraoral cavity, the light guide should be placed close enough to the application surface for light irradiation.

Effective wavelength range	365 - 410nm
Approximate curing time	LED CURE BOX PLUS (YAMAHACHI) – 3 Min LED TRAY CURE (YAMAHACHI) – 3 Min
Packaging Unit	CLEAR 8ml / BROWN 5ml

GLOSSY COAT

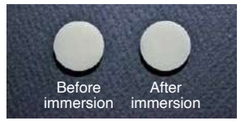
Resin-based Prosthetic Surface Glossing Materials

Effective wavelength range	365 – 410nm
Approximate curing time	LED CURE BOX PLUS (YAMAHACHI) – 3 Min LED TRAY CURE (YAMAHACHI) – 3 Min
Packaging Unit	15ml

Characteristics:
- It is a photo-polymerizable surface glazing material with stain resistance, abrasion resistance, and high adhesive strength.
- The product is easily applied in a thin layer, which makes it possible to reduce the film thickness.
- Very little stickiness after curing reduces work stress.

Stain Resistance:
- It shows extremely low discoloration due to photo curing and high stain resistance even after curing.

*In-house Experiments (Immersed in 2% coffee solution at 37˚C for 1 week.



Abrasion Resistance:
Good abrasion resistance after curing.

Adhesion:
Excellent adhesion to many materials

METAL LOCK

Adhesive Material for Metal

Characteristics:
- It can be used in a wide range of applications from denture fabrication and repair to crown restoration.
- Good bonding strength can be obtained for both precious and non-precious metals.

Application:
- Adhesion of metal to resin for facing crown
- Adhesion of metal to denture resin

Applicable objects:

Co-Cr	Au-Ag-Pd	Au	Ti	Ni-Cr
○	○	○	○	○

Package Unit	8ml

PRODUCT CATALOG

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