

**KIDDY CROWN**

**AUTHORIZED DEALERS  
IN DENFIZ**





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# ABOUT US



## Who are we?

Safecare Medical Industries , another subsidiary of Safecare Holding Company, was established in 2016 by the Bin Ali Group with the aim of transforming the medical industry in the Middle East. Based in Abu Dhabi, UAE, Safecare Medical Industries specializes in providing high-quality medical plastic consumable products across all GCC countries. With registered subsidiary factories and offices in the UK, USA, Germany, and China, the company ensures the production and distribution of superior medical products worldwide.

# MATERIAL SELECTION

## Zirconia (ZrO2)

### Why Zirconia ?

- Also known as Zirconium Dioxide (ZrO2)
- Its been used in Dentistry and other medical applications like hip-replacement because of its unique properties.



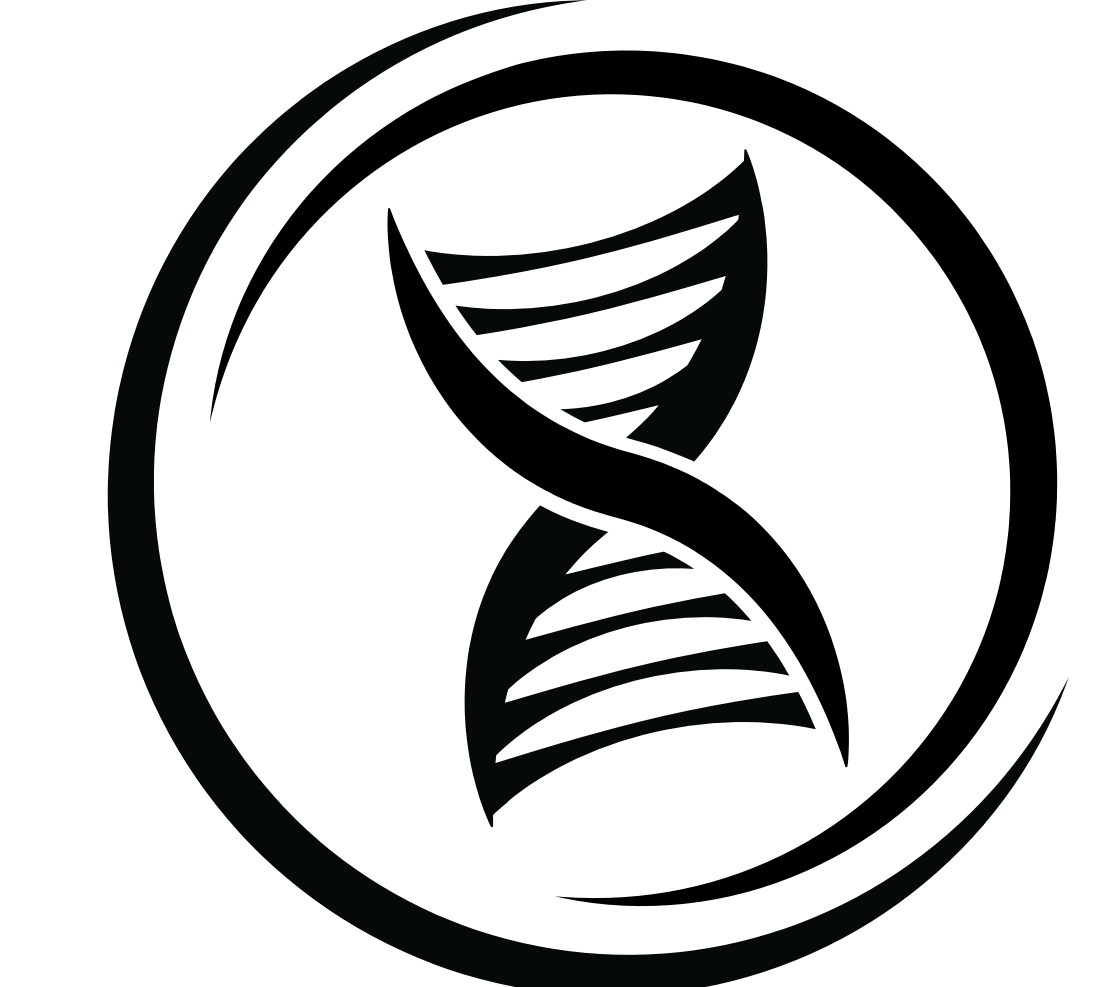
**High Strength**  
Load Bearing  
1200 MPa



**Wear Resistant**  
High Resistance to  
wear and tear



**Chemical Resistant**  
Chemically  
Stable



**Bio Compatible**  
Highly  
Bio-Compatible

## UNIQUE FEATURE & SIZING

The following chart shows the sizing dimension of

### KIDDY-CROWN

#### CENTRAL INSICOR

Size	Maxillary
0	5.7
1	6.1
2	6.5
3	6.9
4	7.3
5	7.9

#### LATERAL INSICOR

Size	Maxillary
0	4.4
1	4.8
2	5
3	5.4
4	5.8
5	6.2

#### CUSPIDS

Size	Maxillary	Mandibular
0	6.5	5.3
1	6.9	5.6
2	7.2	5.9
3	7.5	5.4
4	7.9	5.8
5	8.3	6.2

## UNIQUE FEATURE & SIZING

### 1ST MOLAR

Size	Maxillary	Mandibular
2	7	7.3
3N	7.2	7.5
3	7.4	7.7
4N	7.6	8
4	7.8	8.2
5N	8	8.3
5	8.2	8.6
6	8.8	9.0

### 2ND MOLAR

Size	Maxillary	Mandibular
2	9.2	9.4
3N	9.4	9.6
3	9.6	9.9
4N	9.8	10.1
4	10	10.4
5N	10.3	10.6
5	10.8	10.8
6	11.5	11.2

# ANTERIOR TECHNIQUE

# POSTERIOR TECHNIQUE

## Crown Selection

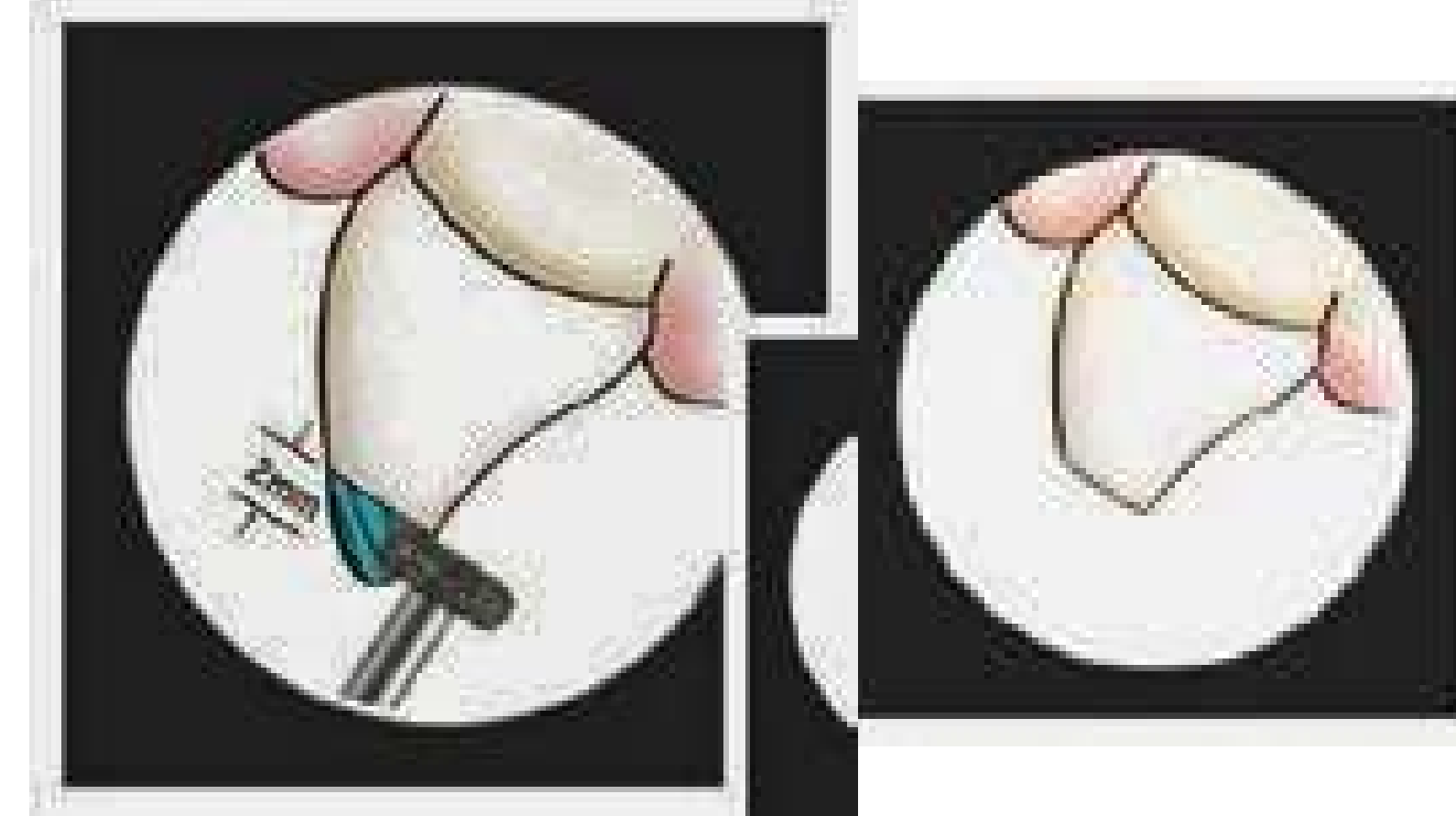
STEP 1



Choose appropriate size of crown using mesio distal width

## Inicisal Preparation

STEP 2



Cut 1.5 to 2mm incisal edge

## Crown Selection

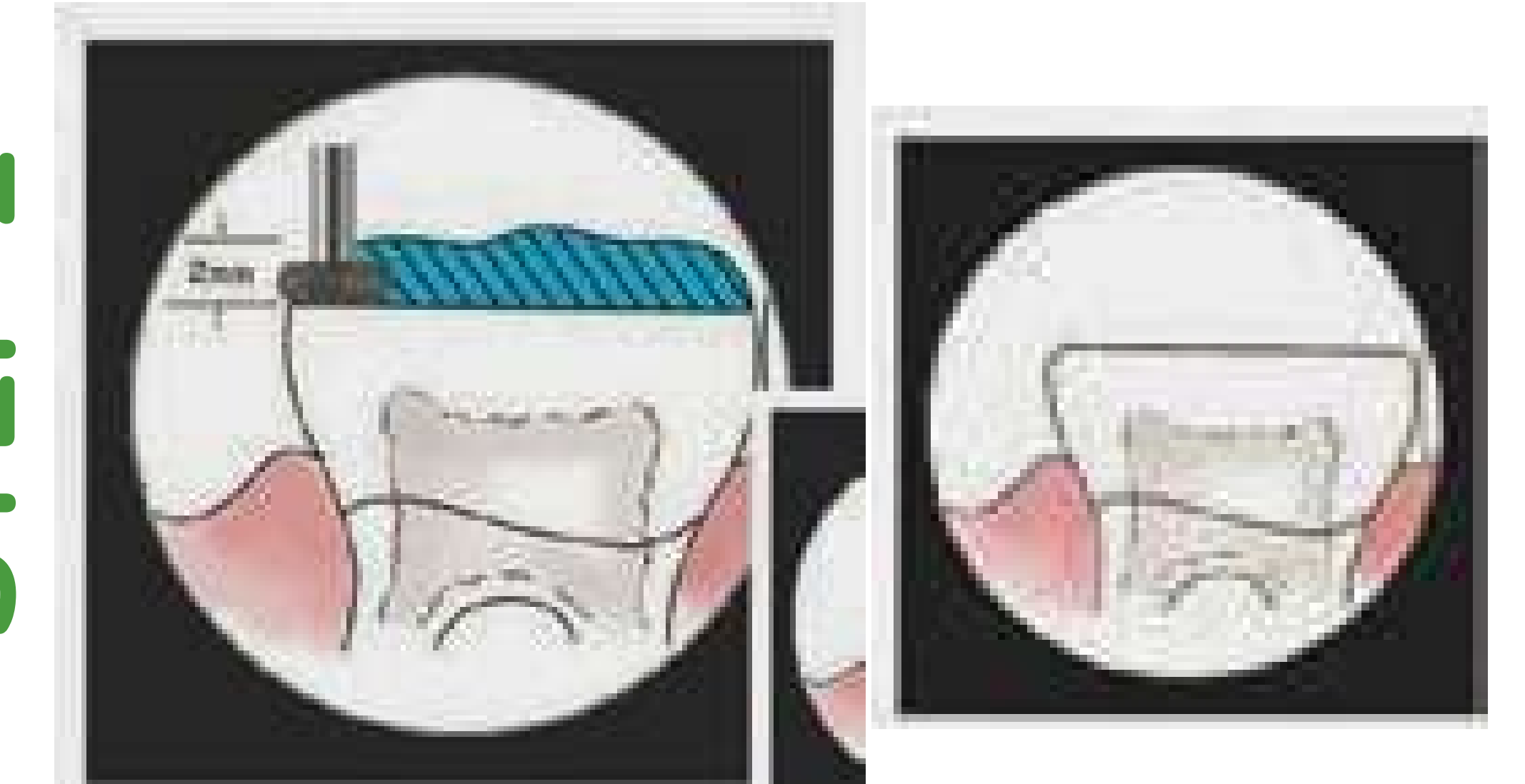
STEP 1



Choose appropriate size of crown using mesio distal width

## Inicisal Preparation

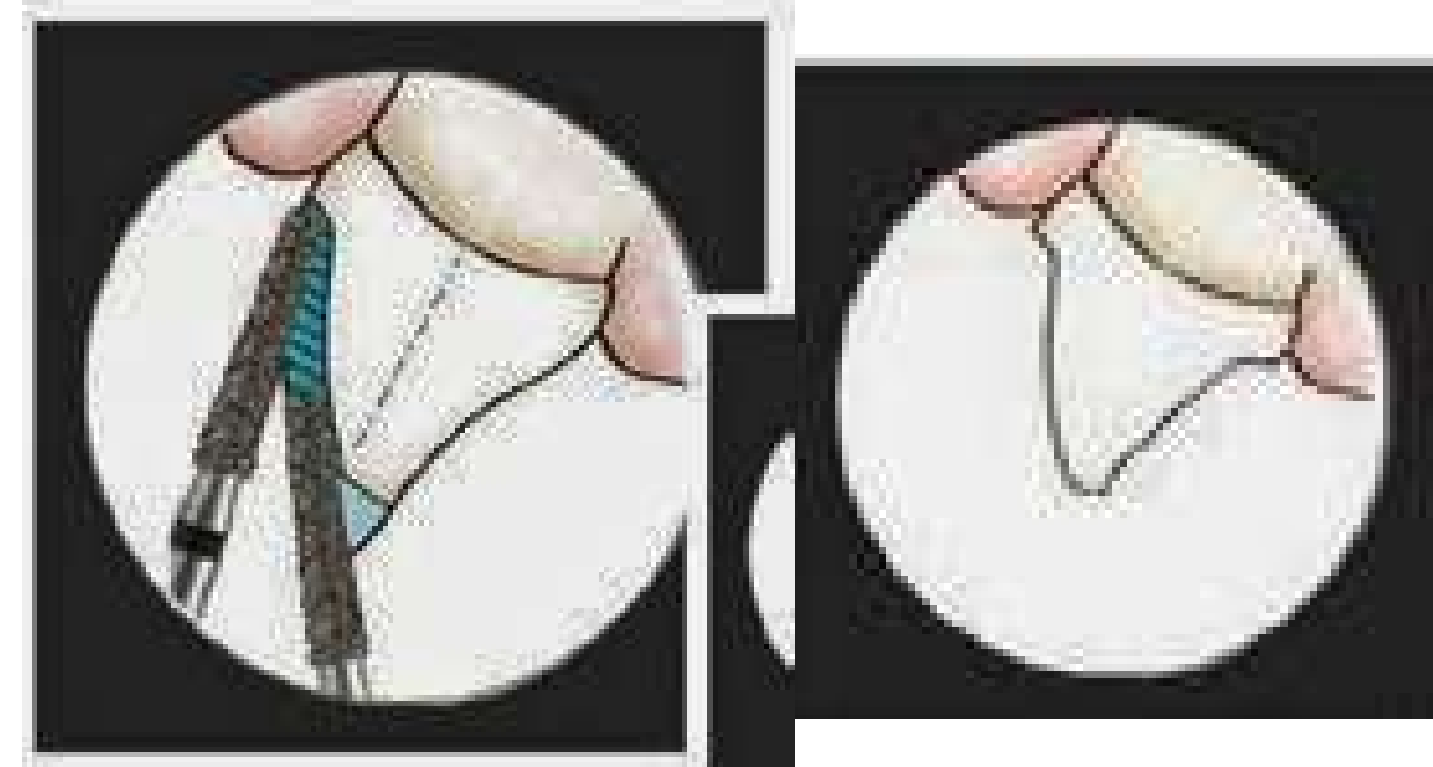
STEP 2



- Reduce 1.5 to 2 mm
- Keep Preparation flat

## Supragingival Preparation

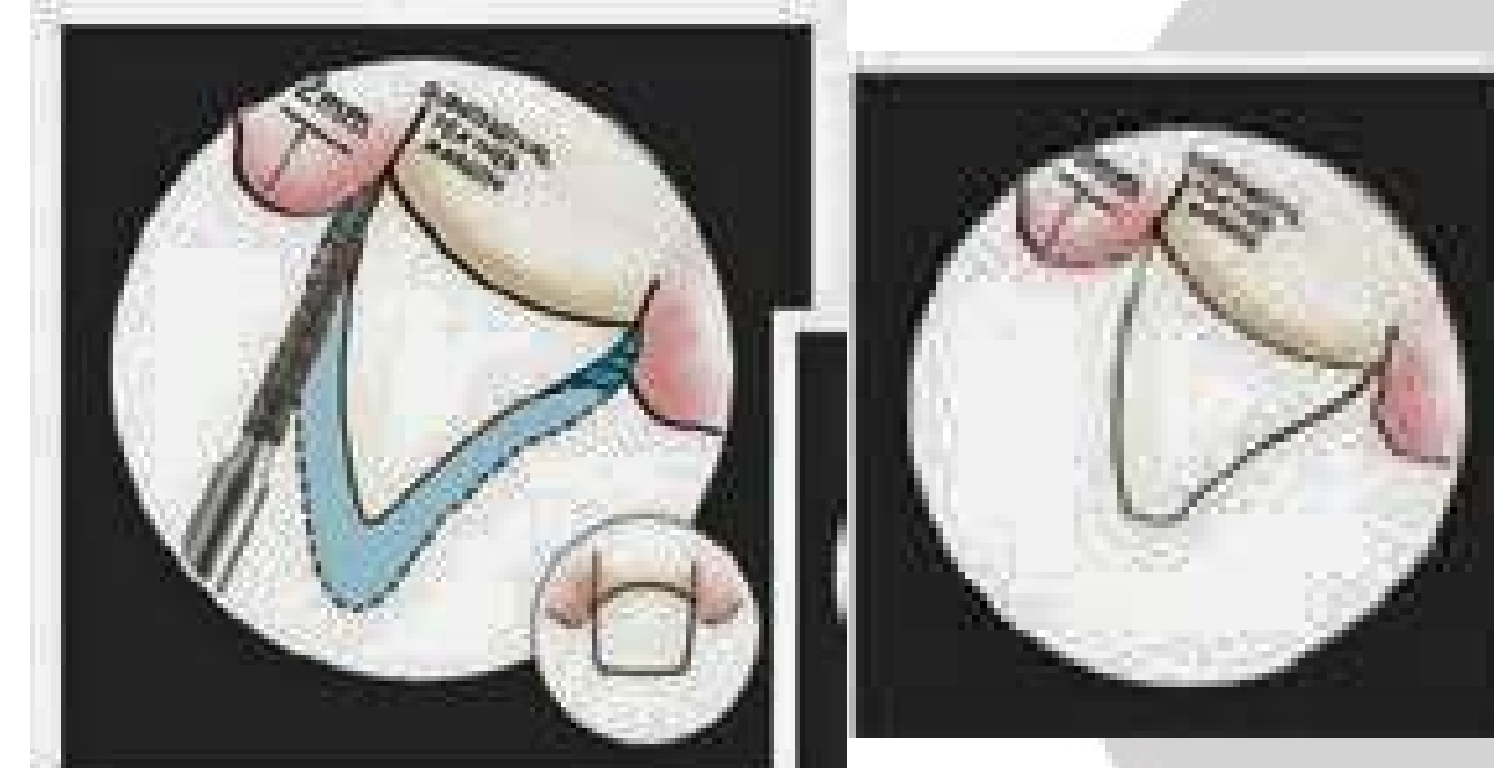
STEP 3



Create a chamfer margin all around the tooth by reducing 0.5 – 1mm

## Subgingival Preparation

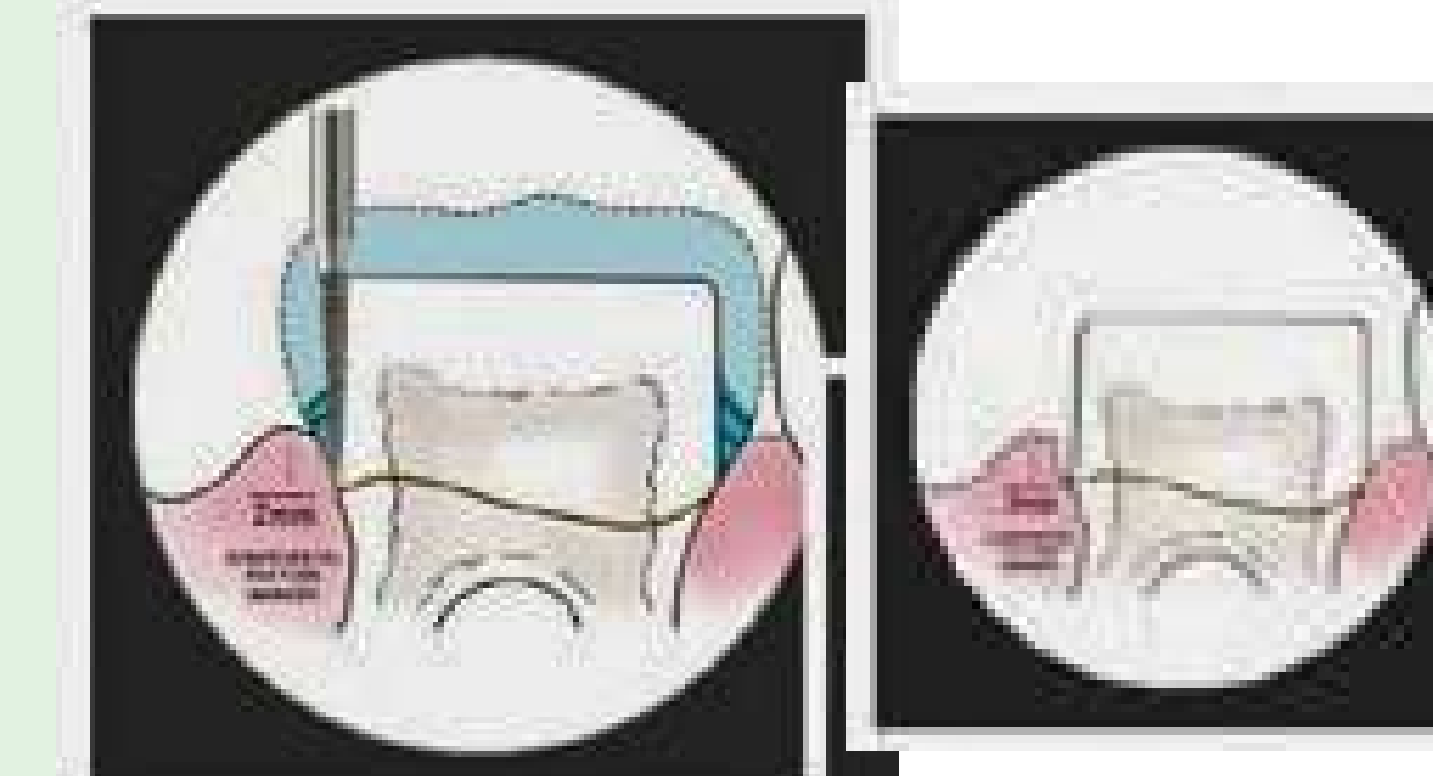
STEP 4



Remove chamfer margin extend 2mm subgingivally without ledge formation

## Subgingival Preparation

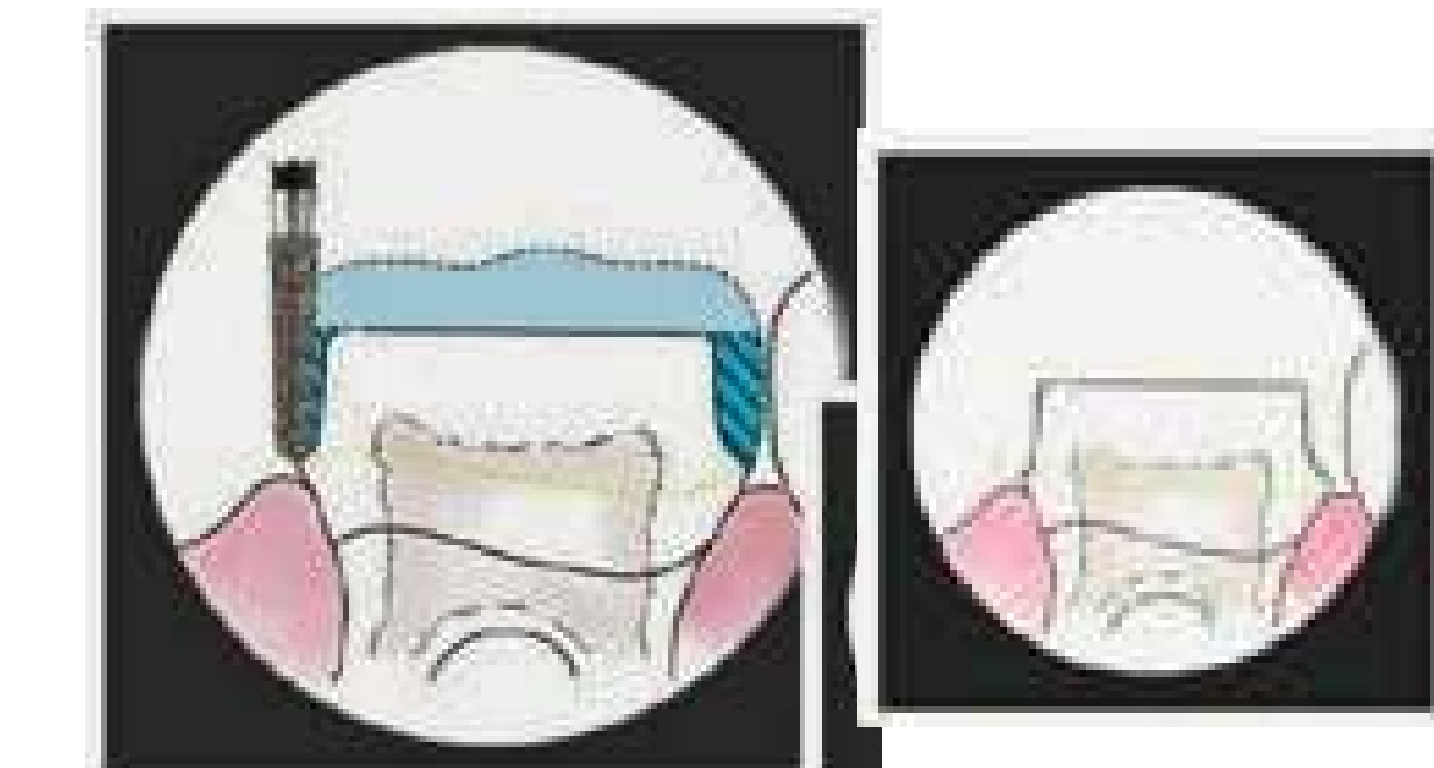
STEP 4



Remove chamfer margin extend 2mm subgingivally without ledge formation

## Supragingival Preparation

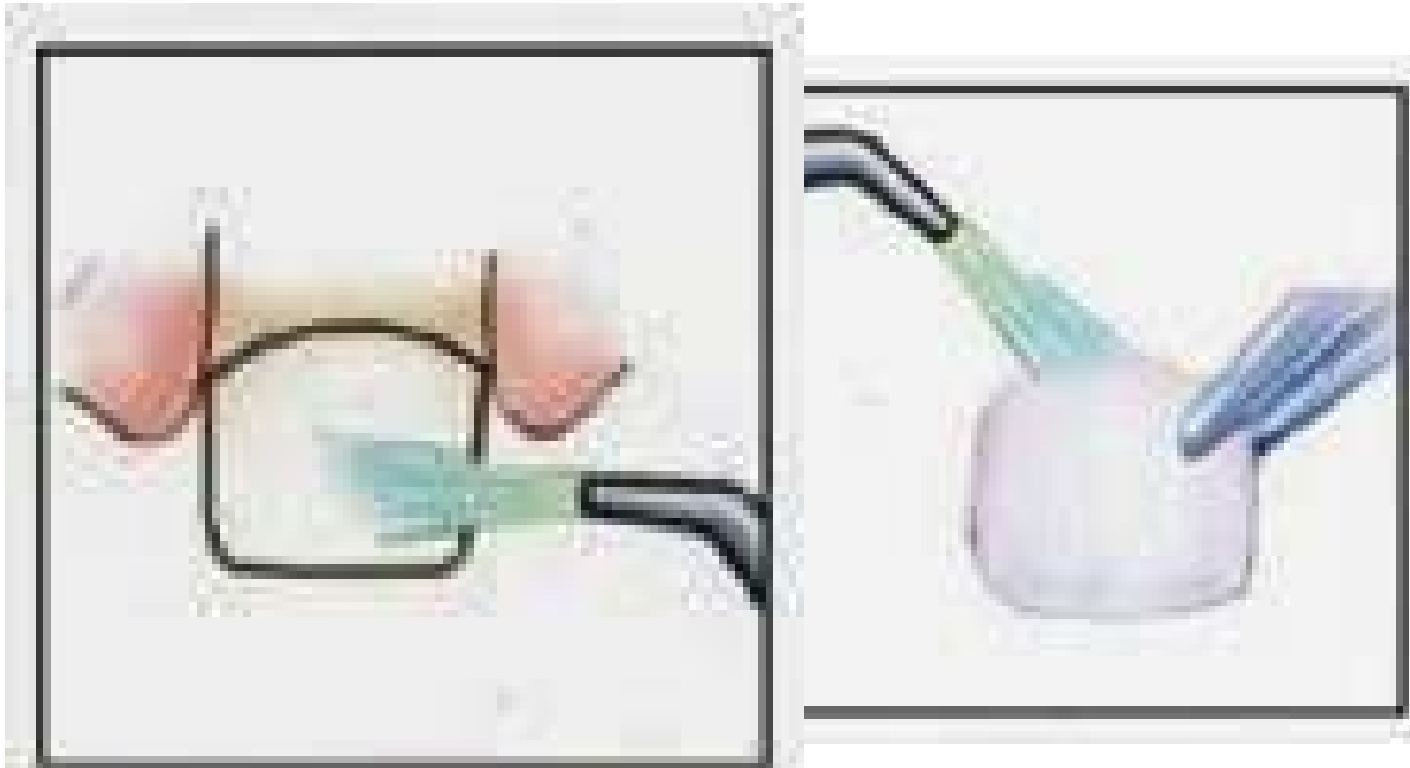
STEP 3



Create a chamfer margin all around the tooth by reducing 0.5 – 1mm

## Check Fit & Preparation

STEP 5



- Round off line angles
- Crown should be passive fit
- Clean crown with water and alcohol
- Control Bleeding

## Cementation

STEP 6



- We recommend Glass Inomer cement
- Cement using light finger pressure
- Remove Residual cement

## Check Fit & Preparation

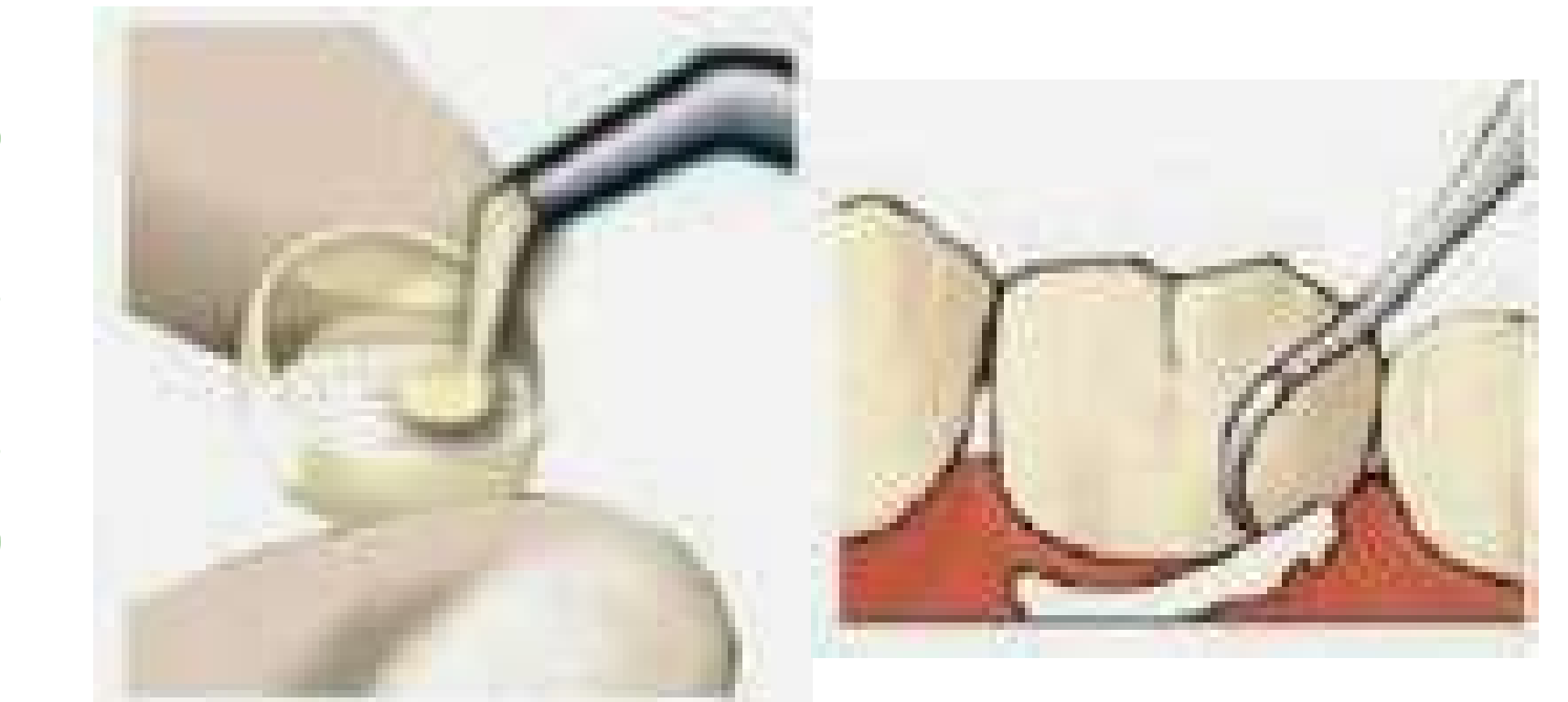
STEP 5



- Round off line angles
- Crown should be passive fit
- Clean crown with water and alcohol
- Control Bleeding

## Cementation

STEP 6



- We recommend Glass Inomer cement
- Cement using light finger pressure
- Remove Residual cement



Narrow Crown



Reguler Crown



Narrow Crown



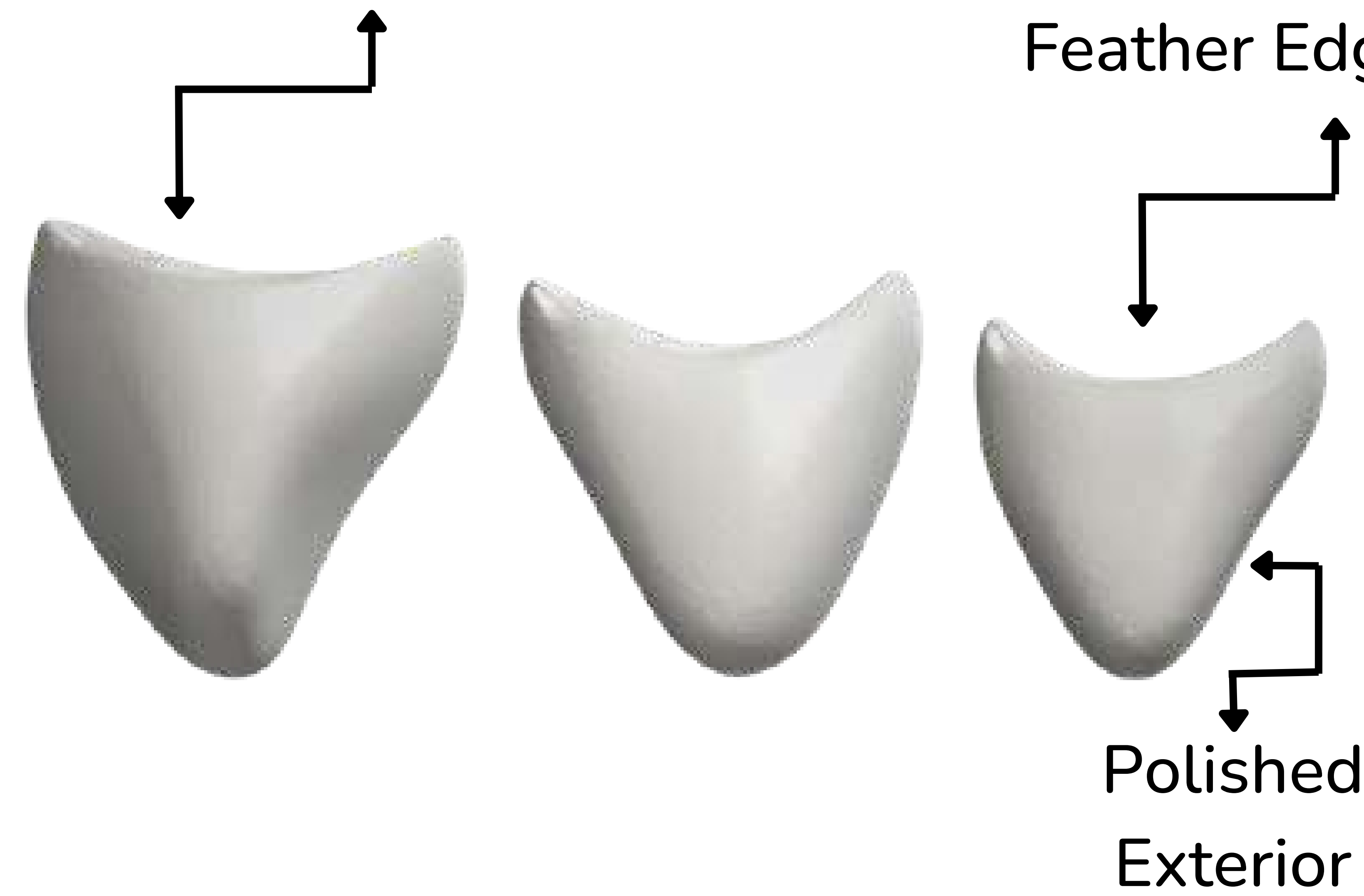
Reguler Crown

## ANTERIOR DESIGN

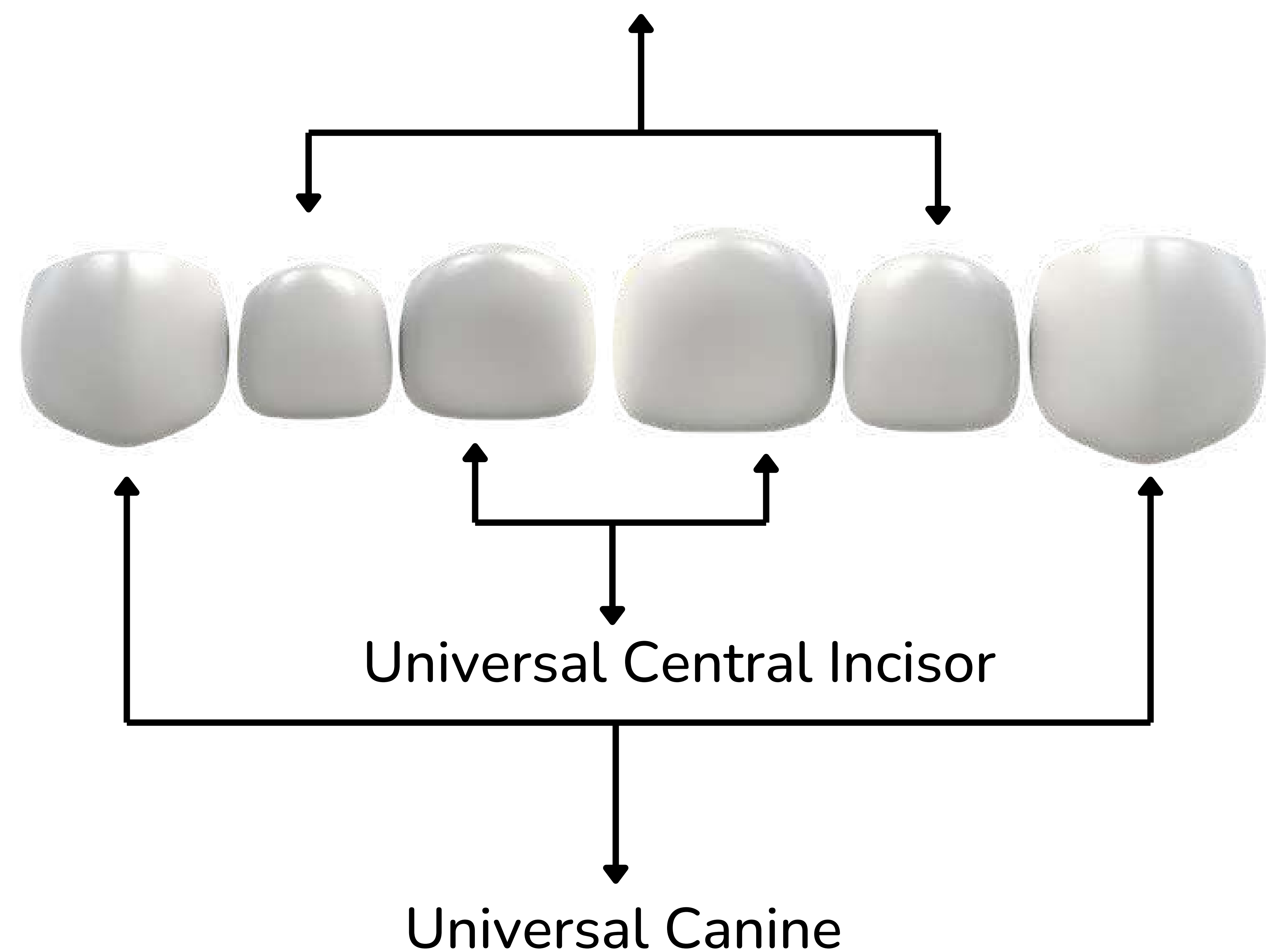
### Anterior Design Cross Sectional View

Micro perforated inner surface  
with Retentive Boxes

Feather Edge Margin



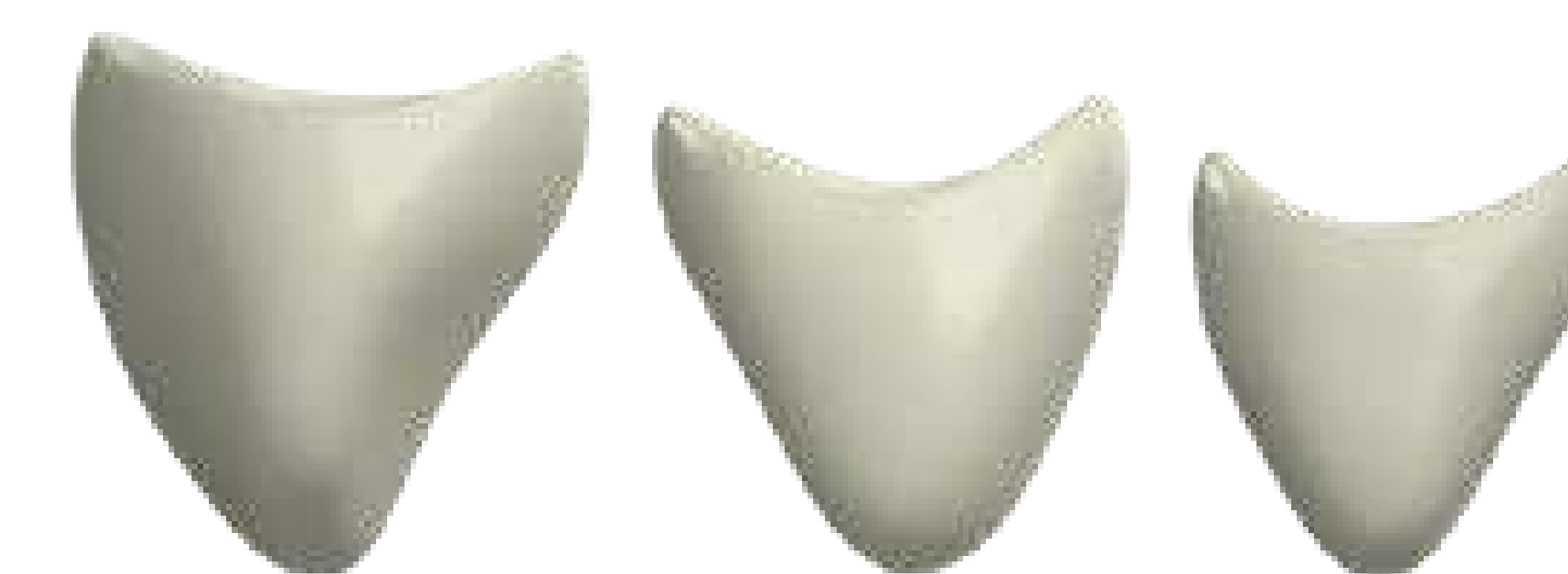
Universal Lateral Incisor



## ANTERIOR DESIGN

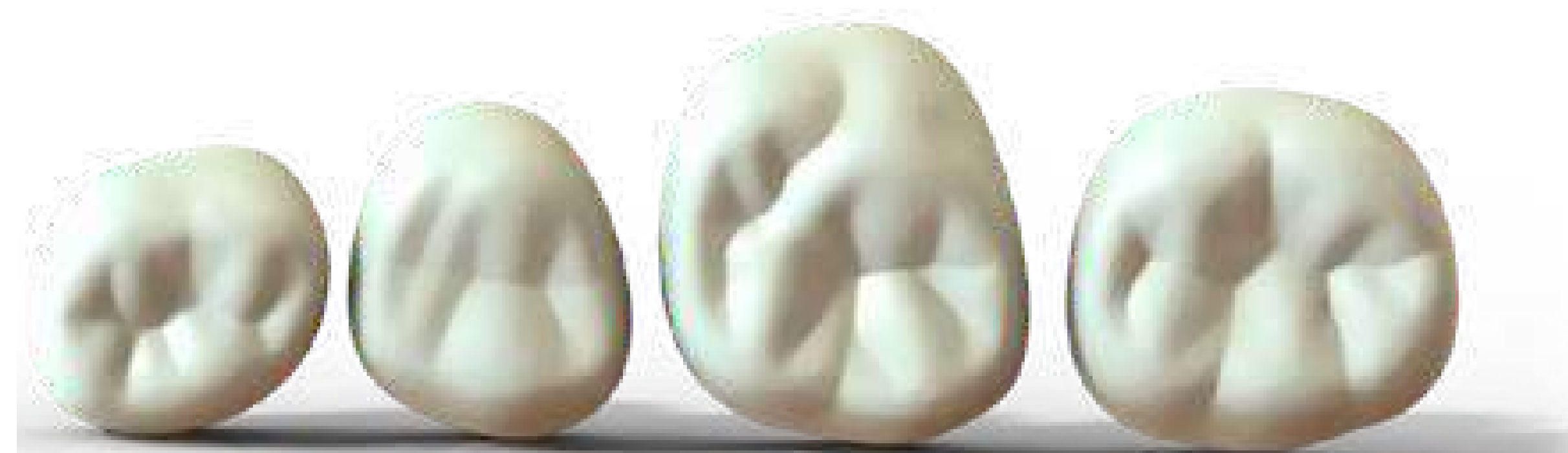
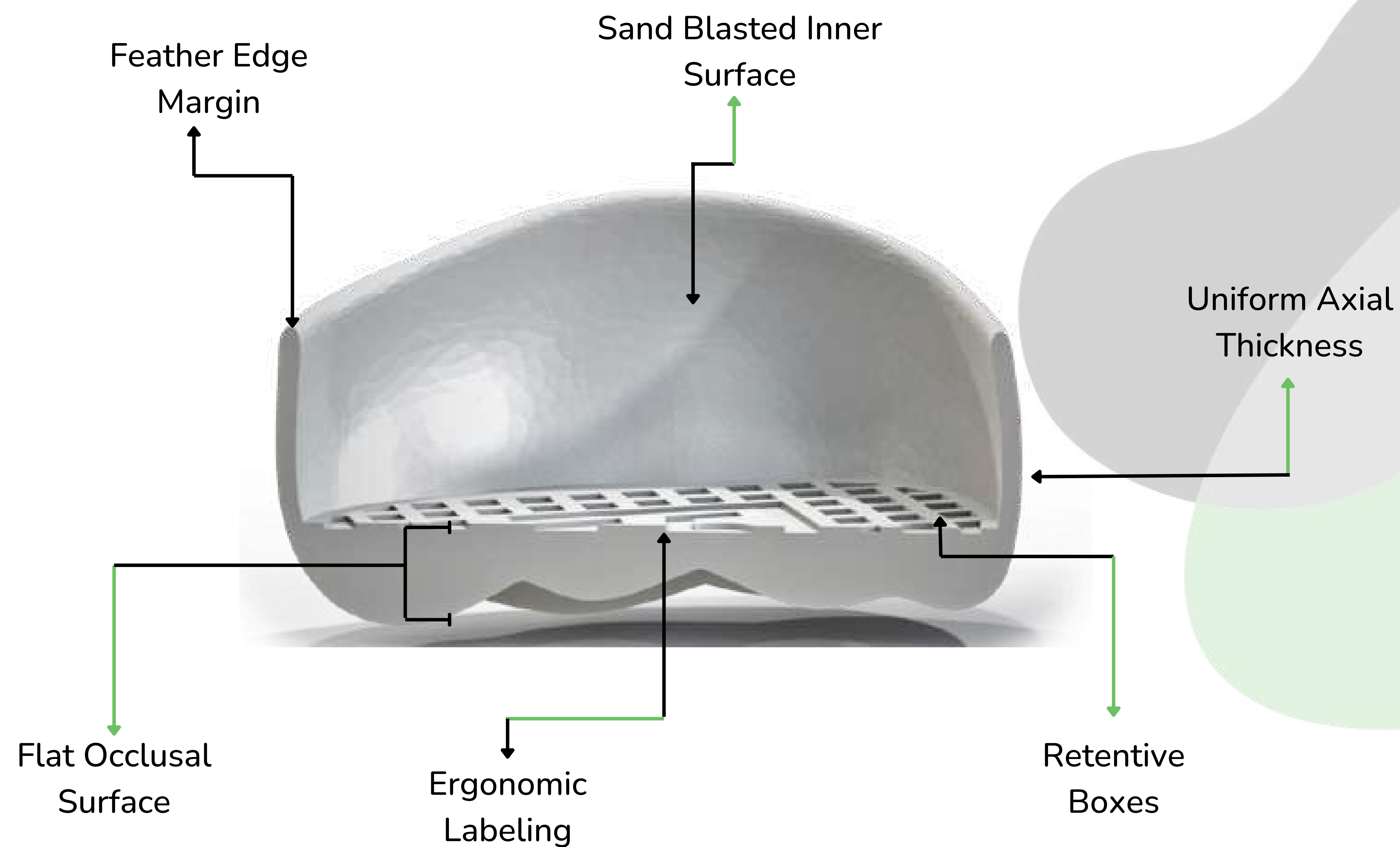


- Universal Design : No left and right side crown cut short the inventory and lessen the confusion.
- High Adhesion : Sand blasted surface along with retentive micro-mechanical boxes helps to enhance mechanical adhesion
- Natural Look : Kids-e-crowns are specifically designed to give a natural look with colour, translucency and contours on the crown.
- Smart Labelling : Permanently embossed tooth number and size marking.



# POSTERIOR DESIGN

## Posterior Design Cross Sectional View



# POSTERIOR DESIGN



- Occlusal Flat Surface : Easy and fast to prepare with more stability and high stress bearing potential.
- Uniform Axial Thickness : Lesser tooth reduction axially.
- Strategic sizing: Narrow and mid size crowns helps in space loss and adjacent crown cases with minimal preparation.
- High Adhesion: Sand blasted surface along with retentive micro-mechanical boxes helps to enhance mechanical adhesion.
- Natural Look : Kids-e-crowns are specifically designed to give a natural look with colour, translucency and contour on the crown
- Smart Labelling : Permanently embossed tooth number and size marking.



# ANTERIOR KIT DETAILS

## Central and Lateral Incisor

### MASTER KIT-24 CROWNS

Size	Central incisor	Lateral incisor
0	2	2
1	2	2
2	2	2
3	2	2
4	2	2
5	2	2

### SARTER KIT-16 CROWNS

Size	Central incisor	Lateral incisor
0		
1	2	
2	2	2
3	2	2
4	2	2
5		2

### TRIAL KIT-08 CROWNS

Size	Central incisor	Lateral incisor
0		
1		
2	2	2
3	2	2
4		
5		



# ANTERIOR KIT DETAILS

## Upper and Lower Canine

### MASTER KIT-24 CROWNS

Size	Upper Canine	Lower Canine
0	2	2
1	2	2
2	2	2
3	2	2
4	2	2
5	2	2

### SARTER KIT-16 CROWNS

Size	Upper Canine	Lower Canine
0		
1	2	
2	2	2
3	2	2
4	2	2
5		2

### TRIAL KIT-08 CROWNS

Size	Upper Canine	Lower Canine
0		
1		
2	2	2
3	2	2
4		
5		



# ANTERIOR KIT DETAILS



## STARTER KIT-32 CROWNS

## TRIAL KIT-16 CROWNS



Applicable for both Primary First Molar & Primary Second Molar Kit

## MASTER KIT-32 CROWNS

## TRIAL KIT-12 CROWNS

## MASTER KIT-48 CROWNS

## STARTER KIT-20 CROWNS

Size	Central incisor	Lateral incisor	Upper Canine	Lower Canine
0				
1	2		2	2
2	2	2	2	2
3	2	2	2	2
4	2	2	2	2
5		2		

Size	Central incisor	Lateral incisor	Upper Canine	Lower Canine
0				
1			2	2
2	2	2	2	2
3	2	2		
4				
5				

Size	Upper Right	Upper Left	Lower Right	Lower Left
2	1	1	1	1
3n	1	1	1	1
3	1	1	1	1
4n	1	1	1	1
4	1	1	1	1
5n	1	1	1	1
5	1	1	1	1
6	1	1	1	1

Size	Upper Right	Upper Left	Lower Right	Lower Left
2	1	1	1	1
3n	1	1	1	1
3	1	1	1	1
4n	1	1	1	1
4	1	1	1	1
5n	1	1	1	1
5	1	1	1	1
6	1	1	1	1

Size	Central incisor	Lateral incisor	Upper Canine	Lower Canine
0	2	2	2	2
1	2	2	2	2
2	2	2	2	2
3	2	2	2	2
4	2	2	2	2
5	2	2	2	2

Size	Upper Right	Upper Left	Lower Right	Lower Left
2	1	1	1	1
3n	1	1	1	1
3	1	1	1	1
4n	1	1	1	1
4	1	1	1	1
5n	1	1	1	1
5	1	1	1	1
6	1	1	1	1

# STERILIZATION TECHNIQUE

- The crowns can be sterilized in an autoclave before autoclaving clean off the blood and saliva with alcohol.
- Repeated cycles of autoclaving wont affect the strength, material properties and colour of the crowns.



# STERILIZATION TECHNIQUE

Here are 8 steps for sterilizing your instruments, according to Midmark and Henry Schein.

## STEP 1: TRANSPORT INSTRUMENTS TO THE PROCESSING AREA

After use, transport your contaminated instruments in a closed, leak-proof container to a safe, separate processing area.

## STEP 2: SORT INSTRUMENTS AND DISPOSE OF WASTE PROPERLY

Separate disposables from reusable instruments. Dispose of disposable instruments safely and correctly. Soak reusable instruments that can't be processed immediately. Discard any waste in a biohazard waste bin.

## STEP 3: CLEAN INSTRUMENTS IN AN ULTRASONIC CLEANER

Inspect reusable instruments for debris and dispose of the debris properly (see Step 2). Clean instruments in an ultrasonic cleaner (preferred), instrument washer, or by hand while wearing proper protection.

## STEP 4: RINSE AND DRY INSTRUMENTS

Rinse instruments and then dry them by patting them or using an instrument dryer.

## STEP 5: PACKAGE INSTRUMENTS

Place instruments in a sealed package or pouch, unless you're going to use them immediately after sterilization.

## STEP 6: STERILIZE INSTRUMENTS IN A STERILIZING MACHINE

Sterilize instruments using steam autoclaving, dry-heat, or chemical vapor machines.

## STEP 7: STORE INSTRUMENTS IN A DRY, PROTECTED AREA

It is strongly advised that the instruments be kept in a dry and protected environment to ensure their longevity and optimal condition.

## STEP 8: REVIEW STERILIZING PROCESS FOR QUALITY ASSURANCE

Routinely verify that your instruments are being sterilized properly using:

1. Sterilizer readouts and gauges
2. Chemical indicator testing
3. Spore testing

# ANTERIOR CASSES



# POSTERIOR CASSES





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LARA AL ARABIA TRADING



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LARA AL ARABIA TRADING

CONTACT NO : +966 50 301 5849

LICENCE NO : 4030218688

ADDRESS : 7755, 2750, AHMAD AL ATTAS, AZ ZAHRA DISTRICT,  
23425, JEDDAH, KINGDOM OF SAUDI ARABIA