



32 DENTAL SOLUTIONS™

TRUE CADCAM CROWNS WITH 3 SHAPE TRIOS 3
COLOURED WIRELESS INTRAORAL SCANNER



UNMATCHED
SHADE
ELECTION

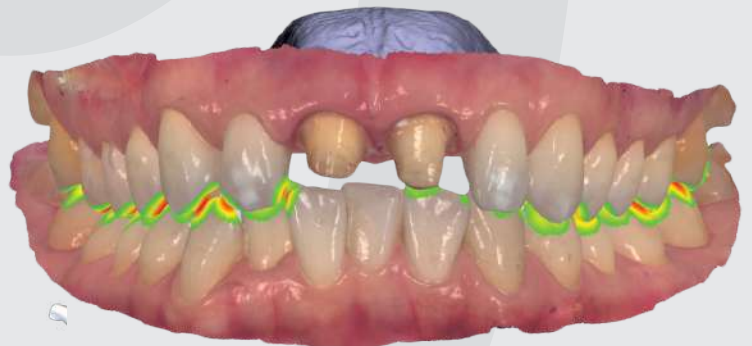
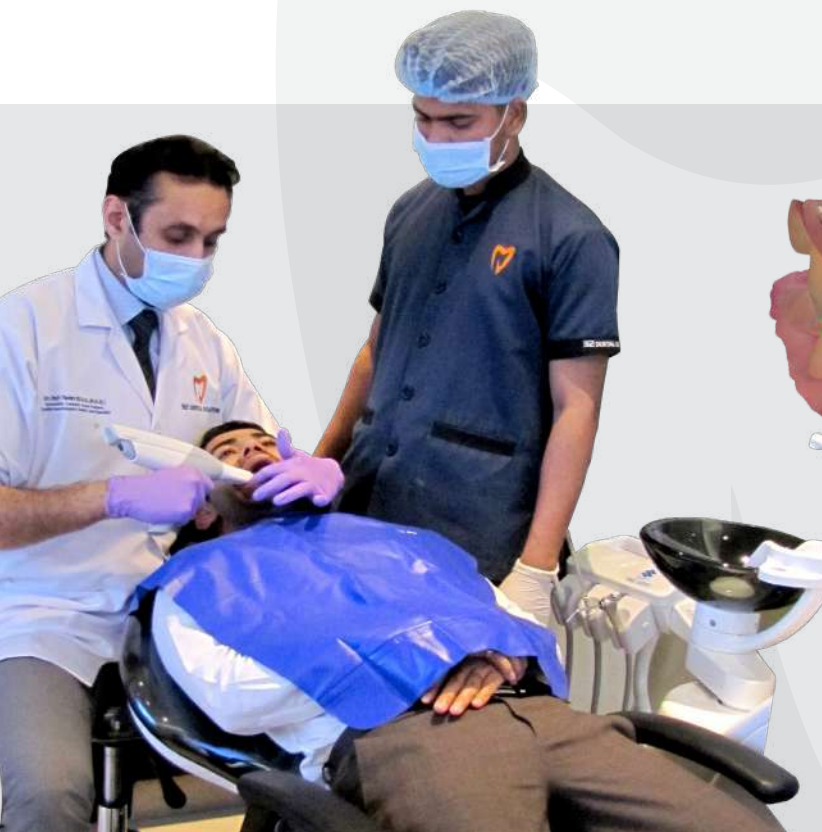
NEXT-GENERATION DIGITAL IMPRESSIONS FOR EXCELLENT CROWNS
BECAUSE IT ALL STARTS WITH GREAT IMPRESSION



What are 3 Shape Digital Impressions

In this method we record the details of the tooth preparation and surrounding hard and soft tissue digitally using our in house **3 SHAPE DIGITAL WIRELESS COLOURED INTRAORAL SCANNER**, rather than taking impressions by conventional method using physical impression material loaded on impression tray after tooth preparation.

3 shape Digital impressions represent cutting-edge technology that allows us to create a virtual, computer-generated replica of the hard and soft tissues in the mouth.



3 shape ultrafast scanning – the scanner clicks 4000-6000 pictures per second and stitches them together to provide a 3 dimensional digital image of the tooth preparation and its surrounding structures.

The whole measurement takes 50-60 seconds in a go with 4 microns accuracy.

ONE SCANNER DOES IT ALL

CROWN DELIVERY
WITH IN
24
HOURS





Why 3 shape digital crown
measurement is better
than conventional crown
measurement





Why

3 shape digital crown measurement is better than conventional crown measurement

RESULT SAYS IT ALL

Believe What you See and Choose What You Want



Patient came with Fractured Discoloured Tooth



Tooth Preparation Done after RCT to receive the Crown



Crown Fabricated Using Conventional Crown Measurement Workflow

Compromised Shade of the Crown,
Open Crown Margin, Inferior Fitting with
Unnatural Design & Surface Detailing



Crown Fabricated Using 3 Shape Digital Crown Measurement Workflow

Excellent Shade of the Crown, Precise
Crown Margin, Perfect Fitting with Natural
Design & Surface Detailing

3 Shape Digital CAD-CAM Crowns

Technology, Knowledge & Perfection Goes Hand In Hand





Work Flow

True digital 3 shape measurement crowns versus conventional measurement crowns

True Digital 3 Shape Crown Measurement: **Comfortable & Precise Workflow**

3 steps is what it takes: • Scan • Design • Milling



Tooth Measurement done by 3 Shape Intraoral Scanner

SCAN



True Colour 3D Scan Data of Tooth & Surrounding Tissue is obtained

DESIGN



Virtual Digital Crown is designed on 3D Scan Data

MILL



Actual Crown Milled using Virtual Designed Data by CAD-CAM Milling Machine

DELIVERY



CAD-CAM Crown Cemented

3 Shape Digital Crown Workflow

Precision with utmost care

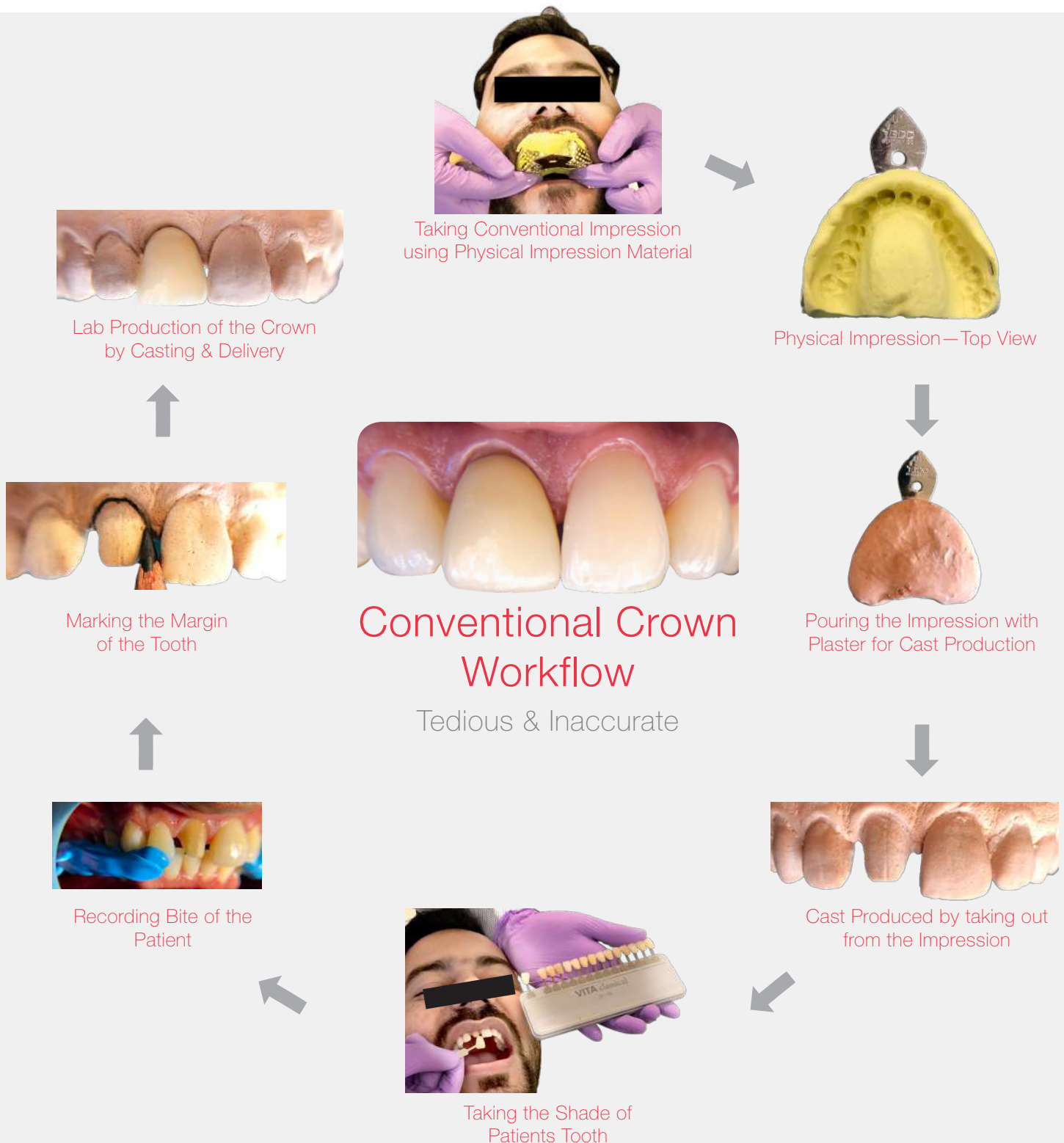
Excellent Results Always &
Crown Delivery with in 24-48 hours





Work Flow

True digital 3 shape measurement crowns versus conventional measurement crowns



Conventional Crown Workflow Logically will result in Inferior results as Dimensional Changes are Involved in Physical Impression Material Shrinkage, Cast Production Shrinkage & Casting Shrinkage





Why

3 shape digital crown measurement is better than conventional crown measurement

TOOTH MEASUREMENT

Easy, Quick & Comfortable Experience



The trios® 3 digital impression provides accurate impressions from the start to end since we have eliminated all the physical material steps nescience for 100 % accurately fitting crowns where, in traditional measurement, the impression is taken using a physical material—alginate/putty, which sets in mouth by a setting reaction. This process is very uncomfortable well as there are many limitations of the material itself as it undergoes dimensional changes due to setting reaction itself.

3 Shape Crown Workflow—Welcome To Next Generation Digital Impression

3 Shape Digital Measurements Are True Positive Measurements Where The Impression Is Achieved Directly Getting The Accurate Positive Replica Of The Tooth And Surrounding Structure Whereas, The Conventional Impressions Are Negative Impression Which Is Poured In Plaster To Get A positive replica (Cast)



Conventional Crown Workflow—
Say A Big No to Messy & Combersome Impression





Why

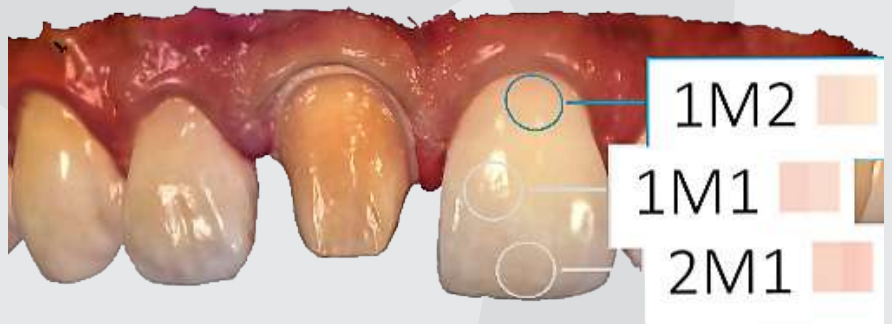
3 shape digital crown measurement is better than conventional crown measurement

SHADE MEASUREMENT

Excellent Shade Measurement: Excellent Looking Crown that no one will make out, not even you

3 Shape tries its unique high definition automatic shade selection is 99.99% Accurate.

Precise shades of different areas of tooth—3 shape true shade measurement provide different shades of different areas of tooth where as, manual conventional shade measurement will provide only one shade of the tooth.



3 Shape Crown Workflow—Accurate Shade Measurement of Different Areas of Tooth

Day or night 3 shape true shade measurement will always tells perfect shade at any given time of day where conventional shade measurement will always tell different shade at different time day/night.

No guess work, no operator assessment—3 shape true shade measurement provide actual shade of the tooth where as in conventional crown workflow since there is lots of guess work and operators assesment manual traditional shade measurement provide innaccurate shade



**Conventional Crown Workflow
Compromised Manual
Shade Measurement**





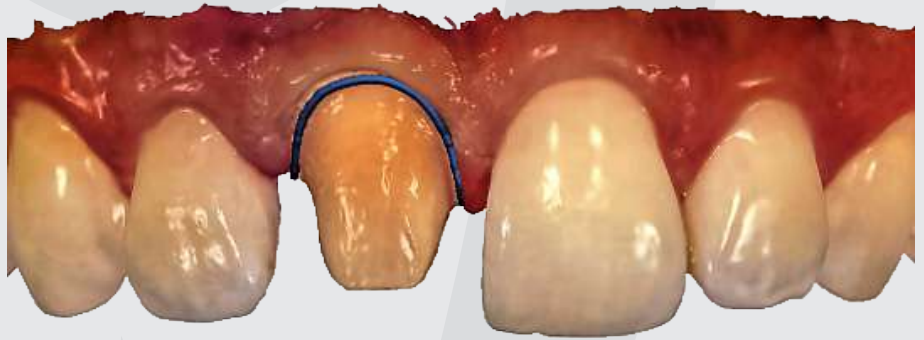
Why

3 shape digital crown measurement is better than conventional crown measurement

SELECTION OF CROWN MARGIN

Accurate selection of crown margin resulting no open margin—so that no one will come to know that you have crown or not and so, no food lodgement for long term peace of mind.

Zoom Up the Margins—3 shape digital workflow gives upper hand for pin pointing the crown margins as the scan image can be zoomed in up to great extent and marked perfectly, where as The margins in a conventional workflow has to be guessed by naked eyes and can't be zoomed digitally.



3 Shape Crown Workflow—Precise Selection of Crown Margin



Convention Crown Workflow
Poor selection of crown margin

Real Colour Scans—3 shape digital workflow provides real colored scans where the tooth and the gums are seen in different colors, so the crown margins can be easily distinguished and marked digitally, where as in conventional crown workflow, the margins is set up onto the cast, which is single colour, leading to poor selection of margins resulting in open margins, ultimately compromising to the aesthetic and functional outcome of the crowns.





Why

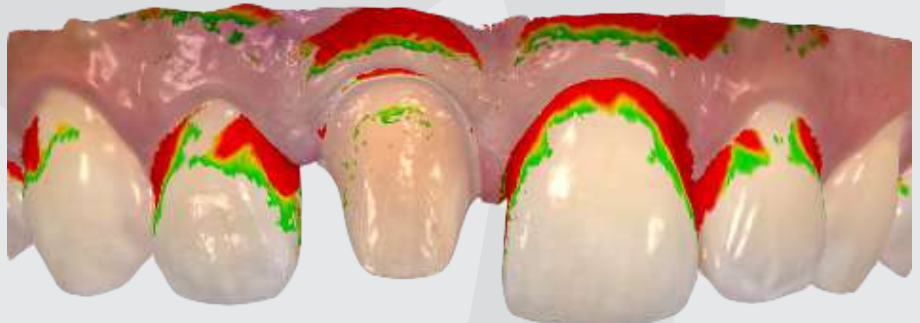
3 shape digital crown measurement is better than conventional crown measurement

DETECTION OF UNDERCUTS

Pinpoint Detection of Undercuts—So that they can be removed, if present for perfectly fitting crowns

Undercuts are the areas where the internal crown surface of the crown is not perfectly aligned with the prepared tooth surface. Ideal tooth preparation should not have any undercuts.

3 shape digital crown workflow provides complete details of any undercut, if present, which can be rectified then and thereby resulting in well-fitting crowns with no discrepancy between the tooth and crown.



3 Shape Crown Workflow—Undercut are shown as red marks



Convention Crown Workflow—Undercuts can't be detected

In conventional crown workflow, there is no way of detecting undercuts except by operator's judgement for so. As a result, there would be lesser crown surface area in contact with the tooth structure, leading to early crown dislodgement and compromised fitting.





Why

3 shape digital crown measurement is better than conventional crown measurement

MEASUREMENT OF PATIENT'S BITE

Perfect Bite Measurement—Resulting in crown that is not too high/low for optimum functionality.

Digital Bite Recording With No Physical Material—By Using 3 Shape - We Can Record Your Bite Automatically In Correct Position As It Captures Every Details In 4 Microns Accuracy And Its Software Aligns Both Upper And Lower Arches In Correct Biting Positions Automatically Using Those Details Where As In Conventional Crowns, A Bite Registration Paste Is Used For Recording The Bite And Send It To Lab, The Material Itself Undergoes Dimensional Changes Resulting In Improper Bite Adjustment During The Crown Planning.



3 Shape Crown Workflow—Perfectly Accurate Digital Bite Measurement



Convention Crown Workflow— Inaccurate and unstable bite measurement

We see your bite correctly—In 3 shape io scan, since there is no physical biting material between the teeth, we can see whether the patient bite correctly or not where as in conventional crowns, there is bite registration paste in between, the operator cannot see whether the patient did bite correctly or not.

Correction of bite, if needed—In 3 shape, the bite can be manipulated digitally to improve better digital crown designing where as in conventional way bite cannot be improve later, as there is physical material limitation.





Why

3 shape digital crown measurement is better than conventional crown measurement

DETECTION OF OCCLUSAL/INCISAL SPACE

Accurate Space Measurement and Improvisation so that the Crowns are neither too thin leading to fracture nor too thick leading to over tooth Reduction.

Digital scale for space measurement—

The 3 shape digital scans provide complete measurement of the occlusal or incisal space between the prepared tooth against the natural tooth on opposing arch using the software's digital scale. There by enabling us to complete or rectify the tooth preparation with utmost precision rendering us to provide our patient's with crown that are strong enough and with minimal ideal tooth reduction without compromising to the tooth and crown strength.



3 Shape Crown Workflow—PRECISE digital detection of occlusal/incisal space, with 3 shape digital scale

In **conventional method**, the occlusal or incisal space can only be guessed and there is no way we can precisely measure the occlusal/incisal space ultimately leading to over or under reduction of the tooth, both causing tooth or crown fracture.



Convention Crown Workflow— Occlusal/incisal space can't be detected, only can be guessed

NO OVER OR UNDER REDUCTION FOR TOOTH AND CROWN LONGEVITY





Why

3 shape digital crown measurement is better than conventional crown measurement

QUALITY OF FIT/ACCURACY

Extremely Accurate and Excellent Fitting

The most important aspect is that the designing of the crown should be done on precise patients's details available. If the patients' details available i.e. impressions and cast, is compromised the overall fitting and accuracy of the crown would be compromised.

3 Shape Crown Work Flow—No Dimensional Change/Shrinkage From Measurement To Crown Fabrication—Excellent Fit And Accuracy



No Dimensional Change



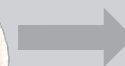
- The 3 shape scanner used for measurement results in recording the details with 4 microns accuracy. What we get, is a real scan data, resulting in best fitting crowns.
- Since there is no physical material used for measurement, there is no shrinkage or no dimensional change involvement.

Conventional Crown Workflow—Two Times Dimentional Change from Measurement to Crown Fabrication



1st Time Dimensional Change

Since the impression material is physical, the material undergoes dimensional change within 24 to 48 hours after taking the measurement.



2nd Time Dimensional Change

When the traditional impression reaches to the lab, it is poured with plaster to fabricate patient's cast: which when sets, undergoes dimensional change too.





Why
32 Dental Solutions
for your
Crowns





Why
32 Dental Solutions for your Crowns

IN HOUSE 3 SHAPE TRIOS COLOURED WIRELESS SCANNER

We have state of the art top of the line: 3 SHAPE TRIOS 3 WIRELESS COLOURED INTRAORAL SCANNER which is used to record intraoral details precisely upto 4 microns with ease and perfection. The intraoral scanning is very comfortable and fast, would take 50-60 seconds per arch.



ONE SCAN DOES IT ALL

- Digital measurement of upper/lower arch
- Digital shade measurement of your tooth
- Digital bite measurement
- Digital Detection of crown margin
- Digital detection of undercuts
- Digital detection of occlusal/incisal space





Why

32 Dental Solutions for your Crowns

CROWN PREPARATION DONE AT 3.5X MAGNIFICATION

Apart from accurate measurement, precise preparation of tooth for crown is equally important, which depend upon knowledge and skill of the operator along with great visibility.

We see you tooth 3.5 times magnified while performing tooth preparation using **ZUMAX (TTL) 3.5x magnification loupes** providing excellent fitting crowns to our patients.

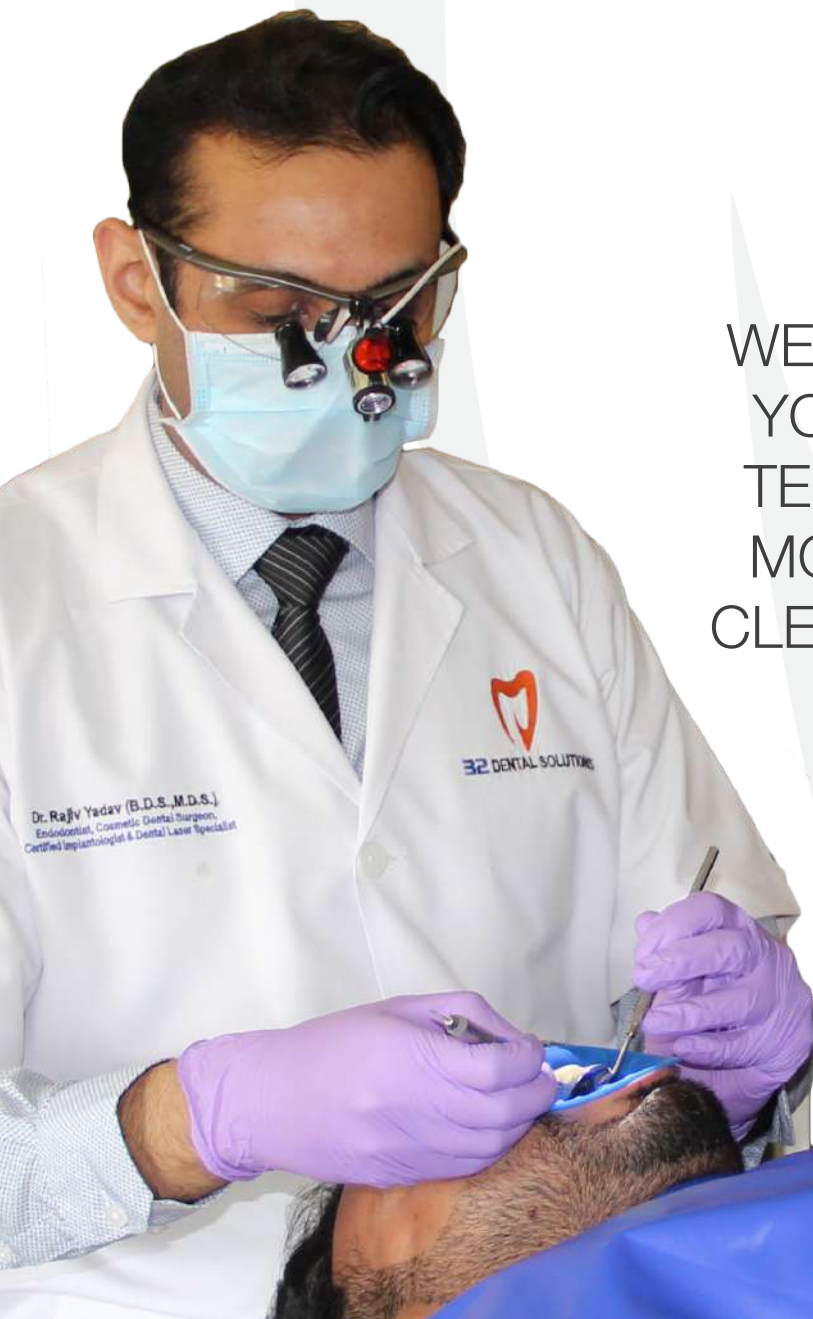
WE SEE
YOUR
TEETH
MORE
CLEARLY



Normal View



3.5 X Magnified View





Why

32 Dental Solutions for your Crowns

CROWN LENGTHENING USING LASERS AND ELECTROCAUTRY

Crown lengthening is a surgical procedure used to increase the extent of tooth structure by cutting the overlying gums for better crown height and so for, better crown fitting, esthetics and stability.

WE DO NOT USE SURGICAL BLADE (SCALPEL) FOR YOUR CROWN LENGTHENING PROCEDURE

The advantages of laser and electrocautry over scalpel surgical procedures include greater precision, a relatively bloodless surgical and postsurgical course, sterilization of the surgical area, minimal swelling and scarring, coagulation, vaporization, cutting, no suturing, no postsurgical pain.





TEMPORARY CROWNS WITH 3M PROTEMP 4 WHEN YOU NEED IT

We know your looks are important for you and therefore we provide Temporary Crown finished to perfection. We prepare your crown chair side with **3M Protemp Temporary Crown Material**.

Now you can walk away with confidence without hiding your smile. All thanks to chair side Temporary Crown solutions we provide till you don't receive the Final Crown.



Tooth Preparation Done



WHY
HIDE
YOUR
SMILE



Chair Side Temporary Crown given to patient before leaving from our office





3D PRINTED MODEL FOR INSPECTION OF YOUR CROWN FITTING

We want to make sure that everything from the fit, finishline and contact areas are precise before delivering your crown/bridge. Rather than calling and trying crown on the patient directly, we rigorously inspect and test your crown fitting on the cast produced by 3D printing by our **in-house 3D printer (Fabpro 1000—3D Systems)** using the initial scan data, ensuring optimum fit when you arrive at our centre for your crown delivery for hassle free service.



Proper Contacts & Contour
with Fitting of Crown is properly
inspected onto 3D Printed Model



3D Printed Model / Cast
of Tooth preparation



Intra-Oral Scanned 3D Image of
Tooth preparation ready to be
3D Printed





CROWN CEMENTATION

3M Dental Cements—We use top of the line dental cement for the cementation of your crowns, which has their own benchmark in the field of dentistry. As a company, 3M needs no introduction and are amongst the leaders in the world of bonding through their R&D.



CROWN DELIVERY WITHIN 24-48 HOURS

As the measurements are digital and are not physical, sending to the lab by lab collection person is purely eliminated because it can be directly mailed to the lab. Just scan and send the digital image to the cam milling unit. Will produce the prosthesis with in 30-50 minutes. It's as simple as that.

Say no to 5-6 days waiting period for your crown. Get your crown within 24-48 hours.



NO PROCEDURAL OR POST OPERATIVE PAIN

Since it is a minimally invasive procedure, our patients don't go through any post-operative pain, resulting in happy patients with molar to molar smile. We always believe to make sure that: Your Treatment is Painfree or It is Free!





WARRANTY ON TO THE CROWNS

When we use the term warranty, we know we are taking up liability for many years to come in regards to the quality and strength of the crown.

We are really sure about the quality and so we provide **5,10 &15 years in-house warranty** on to the crowns which we deliver to our patients. we work in adjunct to the finest labs of India in delivering it so.



GUARANTEED EXCELLENT RESULTS AND TREATMENT OUTCOME

Lets Talk Logical —When we Talk about Accuracy and results, we want to Show Evidence Based Results. The 3shape Digital measurement will almost and always be precise when it comes to fitting, shade, shape and over all aesthetics with the quality of your crown.



Patient came with Fractured
Discoloured Tooth



Excellent Shade of the Crown, Precise
Crown Margin, Perfect Fitting with
Natural Design & Surface Detailing





Choose Your
Dental Crowns









Choose Your Dental Crowns

METAL FREE ALL CERAMIC CROWN	PORCELAIN FUSED TO METAL CROWN	FULL METAL CROWN
		
Overall Rating ★★★★★ On the basis of Colour, Translucency & Transparency and Fit & Finish	Overall Rating ★★★ On the basis of Colour, Translucency & Transparency and Fit & Finish	Overall Rating ★★ On the basis of Colour, Translucency & Transparency and Fit & Finish
Colour Tooth Coloured Crowns	Colour Tooth Coloured Crowns	Colour Metal Colour Colour depends upon what Metal is used
Appearance Since there is no Metal in this Crown, it mimics Translucency and Transparency of natural Tooth, giving a life like appearance. They look so natural that even you can't find out in your mouth, where is the Crown. Appearance wise these are by far the best of the Crowns.	Appearance The inner portion of the Crown is Metal and the outer portion is ceramic, so Transparency is blocked by underlying Metal; they look a bit Unnatural in comparison of Metal Free Crowns. Also it has a Porcelain/ Ceramic chipping tendency, and so resulting in Metal Exposure. Also there is a Metal Hue on to the gum area giving dark discoloration on the gum line due to the underlying Metal.	Appearance The Crown is completely made up of metal with no Ceramic onto it. They are available in variety of options as Full Titanium, Stainless steel, Cobalt Chromium Alloys, Gold and their appearance depends as per the Metal used.
Fit and finish These are the True CAD/CAM Crowns as from start to end, these Crowns undergo all the steps that is purely digital and so you will get the best Fit and Finish. Since these are CAD/CAM Crowns, it is fabricated using the Milling Blocks and so does not undergo Casting. In CAD/CAM crowns the fitting Discrepancy is less than 4 microns, next to negligible	Fit and finish These are not true CAD/CAM crowns. The inner portion is made of Metal with DMLS (Direct Milled Laser Sintered) Technique, where the inner Metal portion is Sintered together by using Laser and later a layer of Ceramic is added over it. These have Inferior Fit and Finish as compared to Metal Free All Ceramic Crown	Fit and finish These are fabricated as True CAD/CAM (Full Titanium) or through Casting. Former one has excellent Fit and finish and latter one has Compromised Fit and Finish as a result of Casting Shrinkage





Choose Your Dental Crowns

Crown Type	Measurement Technique	Method Of Fabrication	Warranty	3D Printing Of Model
Metal Free/All Ceramic/ Zirconia Crown	3 Shape Coloured Intraoral Scanning 	CADCAM	7,10 & 15 Years	No Extra Charges
Titanium Ceramic Crown	3 Shape Coloured Intraoral Scanning 	CADCAM	15 Years	No Extra Charges
Metal Ceramic Crown	3 Shape Coloured Intraoral Scanning 	DMLS	10 Years	No Extra Charges
Full Titanium Crown	3 Shape Coloured Intraoral Scanning 	CADCAM	15 Years	Extra Charges
Metal Ceramic Normal Crown	Conventional Measurement 	Casting	No Warranty	Not Applicable
Full Metal Crown	Conventional Measurement 	Casting	No Warranty	Not Applicable

We are associated with the finest labs of india providing unmatched quality for your Dental Crowns along with Excellent Crown Measurement with 3 Shape Digital Intraoral Scanner

When it comes to quality, we do not compromise



Experience Next Generation 3 Shape Digital Measurement for Excellent Dental Crown



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