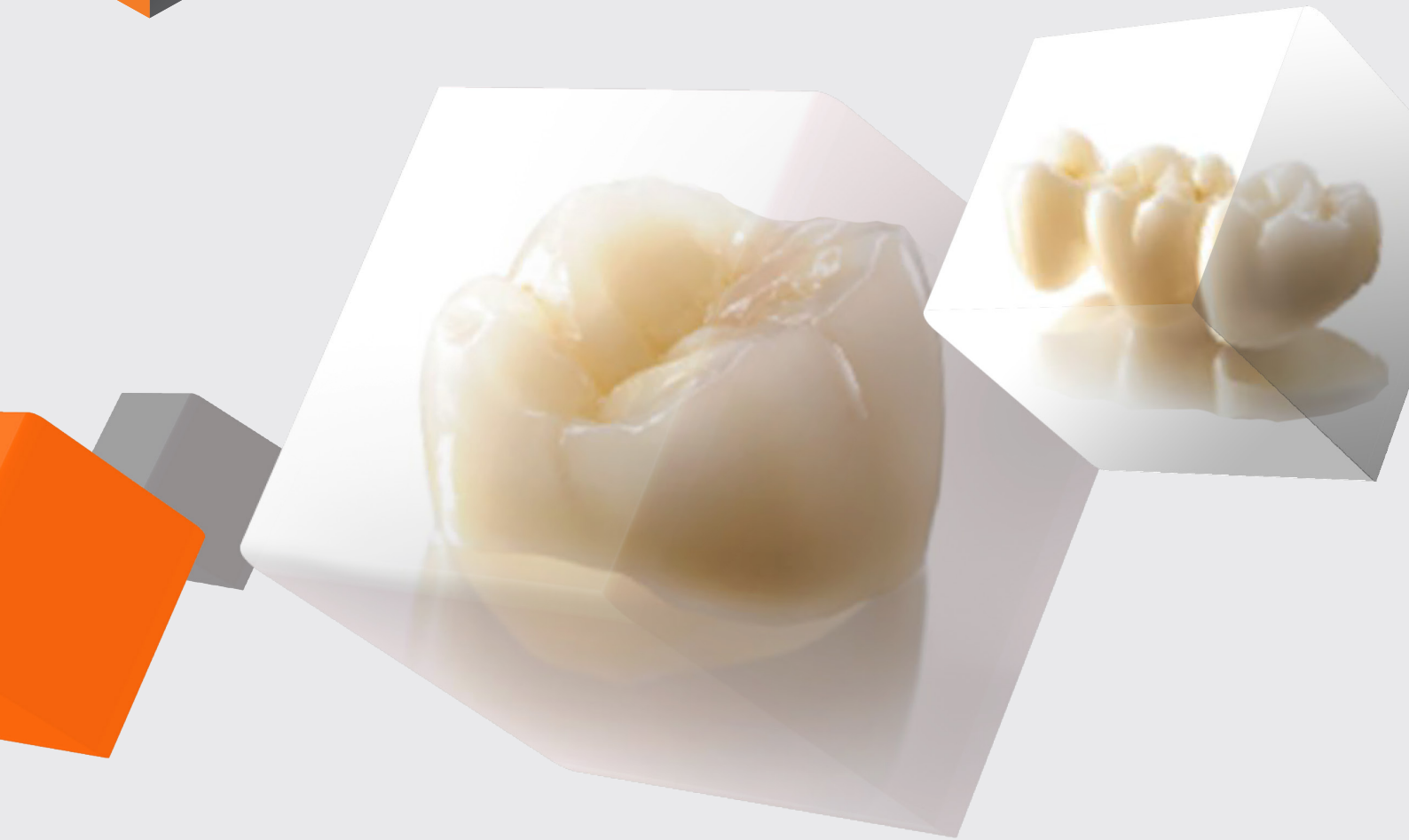




core3d
centres®



Lava™ Plus

High Translucency Zirconia

Lava Plus all-zirconia restorations are virtually unbreakable—and without porcelain overlay, worries about chipping are eliminated. Scientific data proves that Lava Plus all-zirconia restorations have antagonist preserving wear properties and are not abraded or roughened under occlusal load. Ensuring a durable and long lasting restoration.

Indications:

- Crowns
- Crowns over implants
- Onlays
- Inlays
- Veneers

Advantages:

- Aesthetics - Brilliant and long lasting polish with stain resistance for colour stability - leaving a natural and realistic appearance
- Accuracy - CAD/CAM milled producing a far superior fit than can be achieved by technicians using traditional methods
- Strength - Shock absorbency cushions against chewing forces reducing stress to the restoration

Disadvantages:

- As a single piece of Zirconia with no porcelain, the restorations do not have as high aesthetic quality as a zirconia framework fused to porcelain (still currently the best available). Currently Lava Plus is only recommended for the posterior region however under specific situations can be suited to the anterior

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For the laboratory

What to send:

To receive a Lava Plus restoration the laboratory will require you to send a digitally designed file from an open or affiliated scanner software with reference to shade to be completed and any special requirements clearly noted. Core3dcentres® can give you advice on the best scanners currently available and guide your first steps into the digital workflow. Traditional impressions can also be accepted with an upper and lower model with bite registration and clear instructions of what has to be manufactured and the appropriate shade.

Fine Tuning:

If minor intra-oral adjustments are necessary, use a fine diamond bur with water-cooling and continue with a standard rubber polisher set for ceramic dental materials. For the mandatory high-shine polishing finish, use a diamond polishing paste and a suitable polishing brush.

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How to promote:

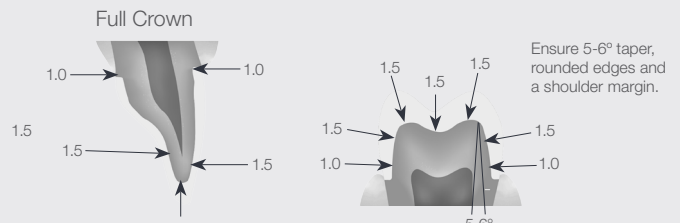
Core3dcentres provides both bespoke brochures and generic printed brochures on our full product range. This will help you inform your customers of the new cutting edge restorations you provide. The many benefits of Lava Plus make it easy to get your dental clients to give it a try. It offers everything dentists love as well as exciting new features. Less wear to opposing enamel than glass ceramics, easy to adjust and re-polish—helps the clinician to achieve the ideal occlusion needed over implants. It allows access to an abutment and implant at any time, just cut a hole, reseal it with a composite, and re-polish. Get in touch with your local Core3dcentres today to find out more.

Conclusion:

Your Core3dcentres are here to help and advise you on the restorations we provide. Please contact us for up to date advice on techniques, materials and best practice. If you find a better way to work with the products we provide please tell us as we are always willing to listen and learn from our customers experiences.

For the clinician

How to prepare the tooth for a Lava Plus Restoration:



Do:

- For crowns, prep tooth with 5-6° taper
- All internal edges and line angles should be rounded
- Non-bevelled shoulder finish lines are recommended
- Mechanically clean any contamination from the tooth prep and rinse with a strong stream of water
- Slightly air dry

Don't:

- Do not undercut
- Do not use any chemical agents after preparation
- Do not use laser etching
- Do not use eugenol cement for cementation of temporary restoration

What to use to attach to natural tooth:

Lava Plus restorations must be bonded with an adhesive resin cement. 3M ESPE recommends RelyX™ Plus Adhesive Resin Cement with Scotchbond™ Universal Adhesive—the primer and adhesive are in one bottle. The flexibility of this system enables you to etch the tooth preparation using a self-etch, selective-etch or a total-etch technique all with one system.

How to adjust if required:

As this restoration is digitally created and manufactured adjustments should be minimal if well designed. However this may occur due to inaccuracies in the impression and bite registration. Should this be required a high speed hand piece with a diamond cutter should be used with water spray to reduce over heating of the restoration. Most importantly the restoration should be re-polished in areas of adjustment with a rubber wheel to reduce wear on opposing dentition. Your local Core3dcentres can provide an adjustment kit for this purpose.