

Same-Day Dentistry
has never been this easy and affordable

INTRODUCING THE
ios FASTDESIGN™
System



Technologies, Inc.

IOS is a wholly owned subsidiary of
Glidewell Laboratories.

Use any open scanner

3M

True Definition Scanner

Your best first step into digital dentistry

Designed with proprietary 3D-in-motion video data capture, the 3M™ True Definition Scanner delivers superior precision over systems using point-and-stitch reconstruction.



iTero® Intraoral Scanner

When it comes to scan resolution and restoration accuracy, nothing impresses like the iTero® Intraoral Scanner. From the simplicity of our click-to-capture software or continuous scan options, the comfort of our digital impression procedure to the clinical efficiencies of our expansive selection of digitized restorative workflows, iTero elevates your practice.

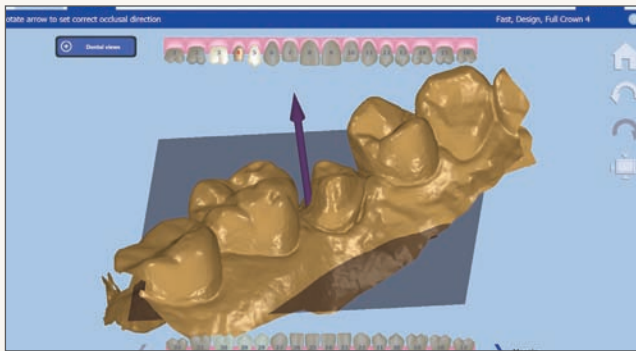
CAD software

FASTDESIGN SOFTWARE* - SIMPLIFIED SCANNING PROTOCOL

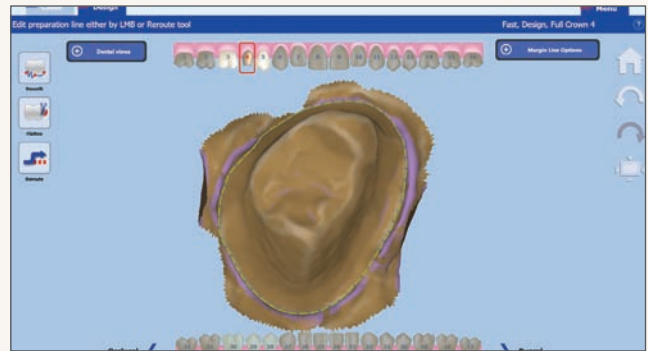
IOS FastDesign™ requires only the minimum of scanned images from your open scanner to capture the patient's details. Scan and capture the preparation's marginal details with neighboring tooth contact areas, including the occlusal, buccolingual surfaces. Finally, a buccal bite registration is achieved by directly scanning the patient's buccal arch in a closed occlusion to assure correct bite relations.

6 EASY STEPS TO DESIGN A CROWN

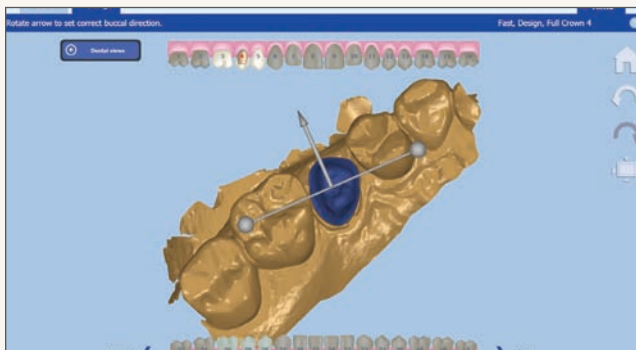
IOS FastDesign™ takes you from scan to finished crown design in six easy steps. By utilizing the extensive digital crown library from Glidewell Laboratories, crown proposals often require little to no adjustment. This means you're milling sooner and treating patients faster.



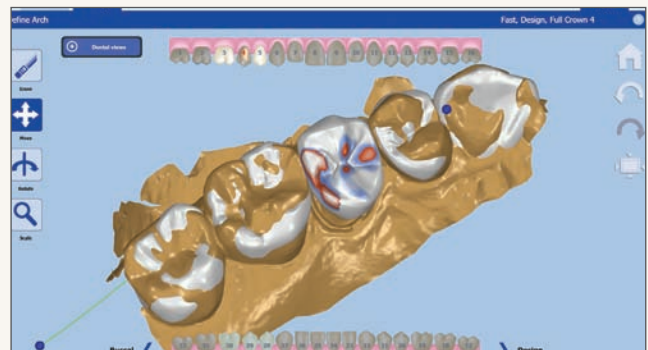
Step 1: The scan is imported into FastDesign for path of insertion approval



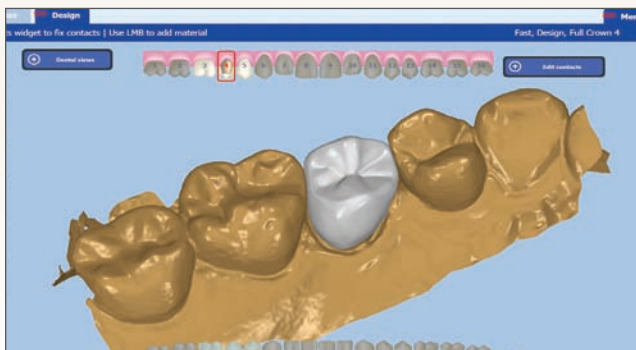
Step 2: Automatic margin marking and approval



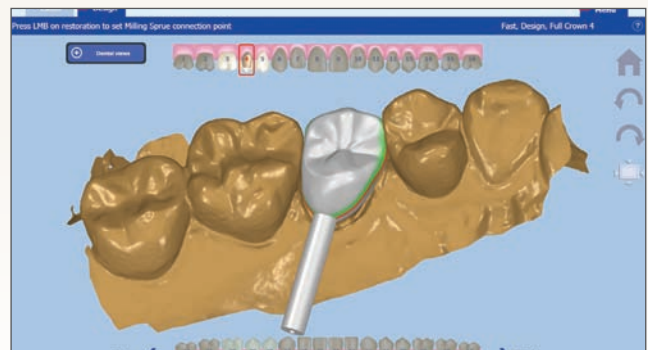
Step 3: Indicate buccal direction



Step 4: Crown proposal is generated



Step 5: Final design adjustments are made as needed



Step 6: Send to TS150 for milling

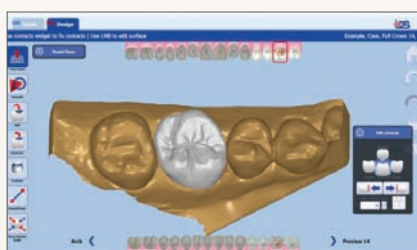
*Patent Pending

Clinical Example Teeth #14 & #19 Obsidian™

Images of prepared teeth with automatic margin marking



FastDesign crown proposals, requiring little to no modification



Final crown designs



Milled crowns



Finished crowns conventionally cemented



Glazed and crystallized Obsidian crowns



Radiograph showing excellent marginal integrity

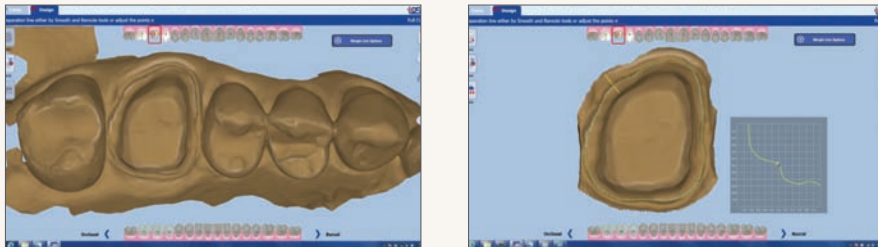


Clinical Example Tooth #3 Obsidian™

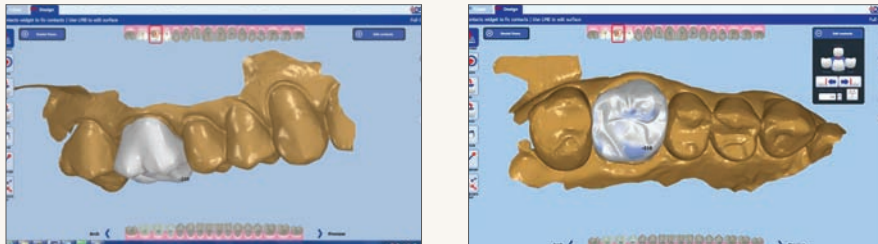
Tooth #3 pre and post preparation



Images of prepared tooth with automatic margin marking



Final crown design



Milled crown



Try-in prior to crystallization



Finished crown conventionally cemented



Radiograph showing excellent marginal integrity



Introducing the TS150™ in-office milling solution

- The **TS150™** is a fast, efficient and affordable open-source milling unit featuring a powerful air-driven 150,000 RPM spindle
- Orbital precision milling strategy ensures the cutting tool never crosses over the margin of the crown, leading to excellent marginal integrity
- Mills glass ceramic, resin nano ceramic



5



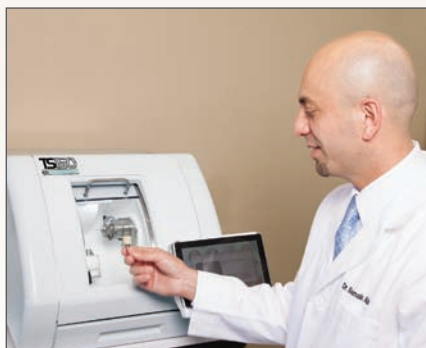
Preoperative photo of tooth to be restored



Obsidian™ crown milled in under 20 minutes



Radiograph shows crown seated with excellent marginal integrity



Mill restorations right in your office



Crowns can be milled from a variety of materials



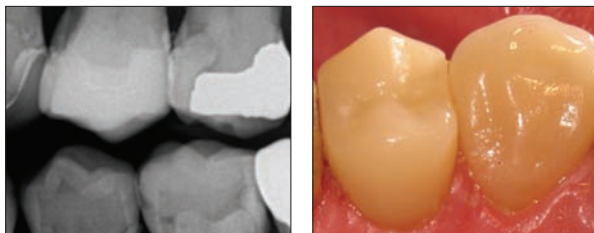
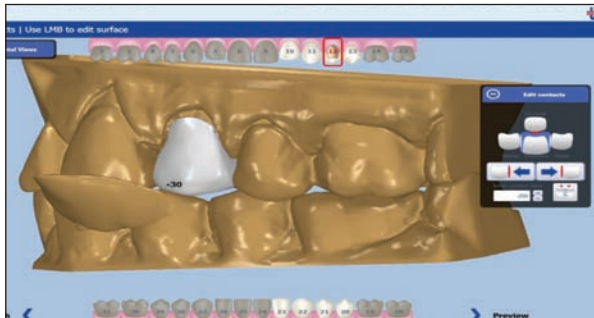
Same-day, precise milling from your digital impression



Mill precision-fitting restorations from these materials

Obsidian™

Obsidian™ lithium silicate ceramic is a beautifully esthetic, high-strength glass ceramic material indicated for the fabrication of full-contour crowns, veneers, inlays and onlays. Unlike layered ceramic or porcelain-fused-to-metal restorations, Obsidian ceramic restorations are resistant to chipping due to their monolithic composition and average flexural strength of 373 MPa.

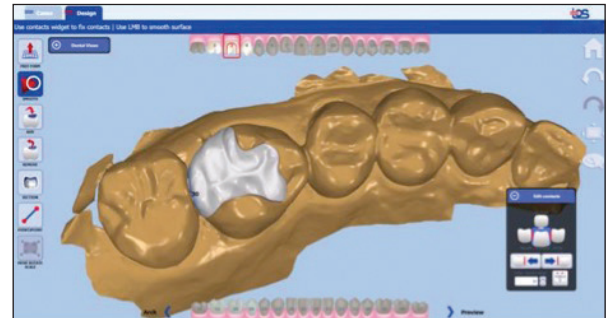


- Exceeds the strength requirements for cemented all-ceramic restorations and can also be bonded when desired
- Resists chipping compared to a layered ceramic or PFM restoration
- Available in all VITA® Classical and Bleached shades

*Photos courtesy of Dr. Dean Saiki
Obsidian is a trademark of PrismaDent Dentalcraft Inc.
VITA is a registered trademark of Vident.*

Lava™ Ultimate

Lava™ Ultimate Restorative by 3M ESPE is a resin nano ceramic material that offers an unmatched combination of durability, excellent polish retention and gentleness to the opposing teeth. This makes Lava Ultimate Restorative the tougher yet more gentle option for solving inlay, onlay and posterior crown cases in an easier, faster way.



- Fast, no firing and easy to mill. Perfect for high quality, esthetic inlays and onlays.
- Nanotechnology provides an enamel-like and long-lasting polish
- Clinical preparation and handling guidelines at www.3MESPE.com/LavaUltimateTips

Lava Ultimate restoration #3 - Photos courtesy of Dr. John Weston

IOS FastDesign™ – fast, accurate and affordable same-day dentistry

For more information or to schedule a demonstration of the IOS FastDesign system please contact:

United States



1.800.GO.BENCO



1.800.241.3743



1.800.562.8176

Canada



1.800.668.5558



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