Same-Day Dentistry has never been this easy and affordable

INTRODUCING THE

IOS FASTDESIGN™ System

IOS 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.
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 dentistry by Dr. Dean Saiki
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

Clinical dentistry by Dr. Harper Jones
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
### 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

### 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

### Photos

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

**Lava™ Ultimate**
- Photos courtesy of Dr. John Weston

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Mill precision-fitting restorations from these materials
IOS FastDesign™ – fast, accurate and affordable same-day dentistry

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

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