



## How to get started

Talk to your lab to learn more about the Lucitone Digital Print Denture by Carbon®, or contact your Dentsply Sirona representative today to find a partner to help you take advantage of this new industry-changing technology.

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## LUCITONE DIGITAL PRINT DENTURE CLINICAL WORKFLOW

# Time to Touch Base with the Future








# Superior dentures begin with superior materials.

Lucitone Digital Print Dentures are made with premium materials that combine proven results with the latest Carbon technology to bring unprecedented strength, esthetics and accuracy to the fit of dentures.


## The future of dentures is digital.

As the aging population continues to drive demand for dentures, clinicians seek solutions that promote efficiency and accuracy to increase patient acceptance. Dentsply Sirona and Carbon are pleased to present a ground-breaking, 3D printed workflow that provides significant advancements in terms of esthetics, material benefits, the chairside process, and function for the patient.




**BODY ACTIVATED MATERIAL**

that responds to body temperature to increase strength two-fold while being worn




**HIGHER PATIENT SATISFACTION**

due to better retention and adaptation to anatomy



**PERMANENT DIGITAL RECORD**

so patients can quickly and easily replace lost or damaged dentures



**ATTRACT NEW PATIENTS**

by utilizing the latest technology with a more efficient denture workflow

### High Impact with IPN® Durability

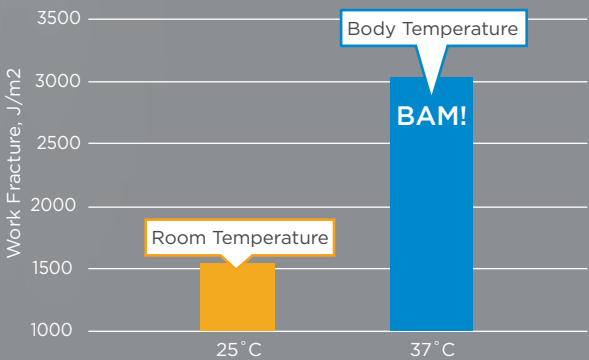
Lucitone Digital Print™ 3D Denture Resin and IPN 3D™ Digital Denture Teeth provide a combination of esthetics, function and performance. Lucitone Digital Print Resin exceeds ISO requirements for materials with improved impact resistance and is exclusively cleared by the FDA for the Carbon platform. The IPN 3D Teeth deliver exceptional wear and stain resistance.

### Carbon® Digital Light Synthesis™

With Carbon's groundbreaking Carbon® Digital Light Synthesis™ technology, digital dentures by Carbon have quality levels that surpass conventional manufacturing. Using this technology with Dentsply Sirona materials helps ensure accurate, precise fitting appliances.

### Body Activated Material

Lucitone Digital Print 3D Denture Resin features smart polymer technology that permits the finished denture to immediately respond to body temperature. The amplified material properties resist breakage and prevent the worsening of any existing cracks or fractures.



“Denture making is entering a new renaissance with Dentsply Sirona and Carbon leading the way.”  
**Stephen Wagner, DDS, FACP, Wagner Denture Group**



“Dentsply Sirona 3D print materials, Lucitone Digital Print and IPN 3D Teeth combined with Carbon technology, provides a digital workflow that will increase productivity while providing successful outcomes for patients!”  
**Robert Kreyer, CDT, CEO, Dentgnostix**



# CLINICAL 3D PRINTED DENTURE WORKFLOW

The 3D Printed Denture Workflow provides the clinician a seamless integration into the process by leveraging existing techniques. Upon developing digital proficiency, the workflow has the potential to be completed in just three chairside appointments by eliminating the Try-In.

## New Denture Patient

- 1 Preliminary Impression
- 2 Final Impression & Records



Lab creates model and occlusal base plate with wax rims.



Lab scans, designs and prints Try-In.

Skills Required	Utilize the same process as a traditional denture.	Impression technique proficiency to capture proper registration and essential records.
Recommended Materials	Algin•X™ Ultra Alginate Alternative	Aquasil® Ultra+ LV, XLV and Rigid Impression Material, Regisil® 2X Bite Registration and Caulk® Tray Adhesive

### Keys to Success

- Digital accuracy for optimal results requires the following:
- Impression technique proficiency to capture key landmarks and essential records.
  - Collaboration and clear communication with Lab regarding design and any changes to the vertical dimension.

- 3 Try-In (Optional)
- 4 Final Denture



The Try-In is used as a diagnostic tool to evaluate fit, phonetics and function.

Lab and Clinician determine final design & finishing preferences.

Lab prints final denture.



Skills Required	Learn new, printed Try-In technique and adjustment instructions.	Utilize the same placement technique as a traditional denture. Confirm fit, function and esthetics.
Recommended Materials	Request Lucitone Digital Try-In™ 3D Trial Placement Resin from your Lab.	Request Lucitone Digital Print™ 3D Denture Resin with IPN 3D™ Digital Denture Teeth from your Lab.

## Existing Denture Patient

### Reference Denture Technique

- 1 Evaluate Reference Denture
- 2 Final Impression & Records



#### Confirm the following before proceeding:

- Base and teeth are intact.
- Borders are well-extended.
- Base covers tuberosities.
- Occlusion is worn but still adequate to obtain accurate bite registration.

If any of the above criteria is not met, use the New Denture Patient workflow listed above.



Lab scans and prints Try-In.

Skills Required	Impression technique proficiency to capture proper registration and essential records.
Recommended Materials	Use reference denture as a custom tray. Aquasil® Ultra+ LV, XLV and Rigid Impression Material, Regisil® 2X Bite Registration and Caulk® Tray Adhesive



- View the Lucitone Digital Print Denture Lab Workflow video.
- Review the complete Reference Denture Technique.
- Download the Try-In Checklist.