



Lucitone Digital Print Denture™ System
Designed and Built
for Excellence



30%

of the global population aged 65 years and older suffer from edentulism¹

703M

global older population is driving increased denture demand at labs²

50%

decline in labs to meet the growing demand. Labs are declining & consolidating³

Fast, Easy, Reliable

While the life expectancy of the aging population is increasing, the number of dental labs and skilled technicians able to meet their needs is declining. As a result, demand for denture production that doesn't rely on advanced technical skill, complex assembly methods or long process times has never been greater.

¹U.S. Market Report Suite for Overdentures and Implant Bridges, iData Research, June 2018:29.

²World Population Ageing 2019, Department of Economic and Social Affairs, 2019:2

³AEGIS Communications, By Jason Mazda. "The Effect of Consolidation: Inside Dental Technology." October 2019 | Inside Dental Technology, 1 Oct. 2019. <https://www.sdentalnetwork.com/idt/2019/10/the-effect-of-consolidation>.

Lucitone Digital Print Denture™ System for Primeprint™ Solution

Dentsply Sirona offers a fully validated 3D printing solution for premium full arch denture cases - supported by Primescan and DS Core through the integration of digital workflow options.

- Delivers the unmatched combination of market-leading materials, including **high impact denture resin and highly esthetic**, durable tooth resin
- Incorporating digital denture workflows brings **greater accuracy to your work**, which leads to better comfort and fit for your patients' dentures
- Primeprint Solution and Lucitone Digital Print Denture System enable practices and labs to grow by offering dentures that can be manufactured in-house easily and **faster in a fully validated 3D printing and finishing process**.

Confidence for Digital Evolution

All product innovations seamlessly integrate with the Lucitone Digital Print Denture System while still upholding the quality credentials that we've spent over a hundred years building.



Primeprint™ Solution with Lucitone Digital Print Denture™ System

Accurate and Repeatable Results

The validated materials and workflows establish process consistency and product confidence to deliver accurate and repeatable results. Lucitone Digital Print Denture materials and Primeprint Solution offers a simpler way to produce dentures than other denture production techniques. Produced in Primeprint's highly automated end-to-end, medical-grade 3D printing solution that reduces manual labor needed to clean and cure - reducing workflow complexity.



We can establish what the outcome might be, therefore, using the entire system. It's **safe**, it's **predictable**, and the **results are very nice**.



Devaughn Fraser, Dental Technician
Highland Dental Lab
Dentsply Sirona KOL



Design

Import final impression and occlusal records to a design engine/service.

The Digital Denture Tooth Libraries Mould Chart includes: highly characterized and standard libraries for Digital Genios® and Digital Portrait® Denture Tooth Libraries.

Print

The only high-impact denture resin with BAM!™ Body-Activated Material, that immediately responds to body temperature and doubles strength in the mouth.

Intelligent material handling concept, RFID supported for safe and clean usage.

Clean

Primeprint Post Processing Unit (PPU) comes with two washing containers to pre-wash in Butyldiglycol and final wash the printed object in Isopropanol.

The system automatically checks the fill level and condition of the contents.

Fuse

Easy-to-follow system to fuse digital denture teeth to a Lucitone Digital Print™ 3D Denture Base.

Cure

The Primeprint PPU cures dentures with reduced handling.

No additional equipment required.

Our digital workflows enable you to move from analog to digital production for every denture.

- Digital dentures mean fewer chairside steps improving the efficiency of your practice.
- Greater accuracy leads to a reduction in chairside adjustments and denture follow-up visits, saving valuable time.
- Fast replacements for lost or damaged dentures – digital records make denture reprints quick and easy.



Impression Flexibility

Lucitone Digital Print Denture workflows allow for the use of traditional impressions, or an intraoral scanner for a reference denture workflow.

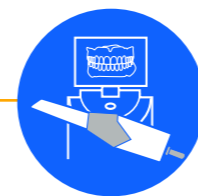
A Lucitone Digital Print Denture Simplifies the Workflow

Lucitone Digital Print Denture lets you quickly produce the most comfortable, technologically sophisticated dentures available today, while allowing you to maintain your established clinical workflows. This builds confidence, not just for lab technicians, but for clinicians and patients as well.

Reference Denture Workflow

You can take confidence in knowing that the digital process will take less time and provide fit and comfort for every patient regardless of budget.

This enables clinicians with a **Primescan intraoral scanner** or validated intraoral scanner to use the existing appliance as a reference denture for a rapid design workflow reducing chair time to 2 or 3 visits.



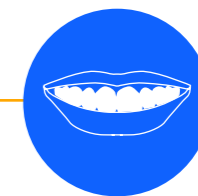
Appointment 1 Digital Impressions & Records

Preliminary / Final impression is taken to capture bite registration and essential records.



Appointment 2 Evaluate Optional Try-in

Optional try-in to evaluate fit, phonetics, function, and esthetics.



Appointment 3 Place

Deliver final appliance to patient.

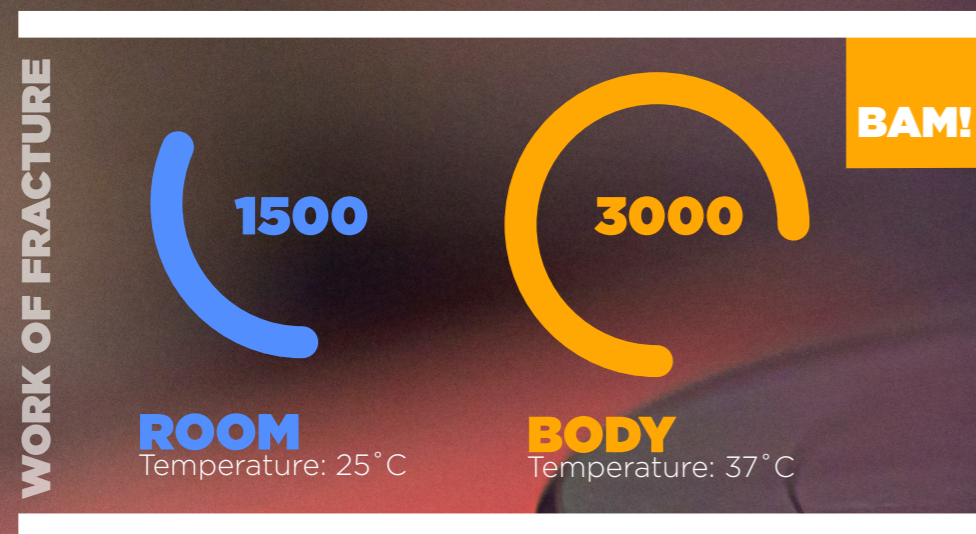
Lucitone Digital Print™ 3D Denture Base

Our 3D denture base includes a range of Lucitone® gingiva shades to match any patient.

- Exceeds ISO high impact standards
- Available in four Lucitone shades: Original, Light, Light Reddish Pink, Dark Reddish Pink

The 3D Denture Base with Hidden Strengths

Created with our high-impact BAM! smart polymer technology – a Body-Activated Material that doubles its resistance to fracturing upon reaching body temperature.



Lucitone Digital Value™
Trial Placement

Try-in material available in shade A1

Lucitone Digital IPN™ 3D Premium Tooth

- Premium-level wear resistance built from Dentsply Sirona's long history of denture teeth expertise
- Translucency and esthetic detail expected in premium denture teeth
- Available in 7 A-D shades*, plus bleach shade: A1, A2, A3, A3.5, B1, B2, C1, BL3



UNLIMITED RANGE OF PREMIUM DENTURE TEETH ESTHETICS

The **Highly Characterized (HC) Digital Denture Tooth Libraries** are available in Digital HC Genios® and Digital HC Portrait® mould families for download in 3Shape Dental System™.

Denture teeth printed with the HC libraries utilize principles of light reflection and refraction that result in:

- Incredible incisal translucency
- Detailed vertical and horizontal surface details
- Mamelons
- Characterized incisal edges
- Appearance of shade blending



The A1-D4 designations correspond to the VITA classical A1-D4 shade guide which is meant to be a guide, not a match. VITA classical A1-D4 is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co.

3Shape Dental System is a trademark of 3Shape A/S.

EXPERTISE YOU CAN TRUST

Lucitone Digital IPN™ 3D Premium Tooth that offers **superior wear resistance** of traditional, premium-level teeth, while **meeting esthetic demand**.

Dentsply Sirona has long and well-established expertise with denture teeth that labs, clinicians, and patients trust.

WEAR RESISTANCE ANALYSIS FOR LUCITONE DIGITAL IPN



- Designed to simulate the oral environment
- Wear testing based upon decades of repeatable denture tooth testing
- Same wear testing protocol as is used for ALL Dentsply Sirona denture teeth

Dentsply Sirona internal 3-Body wear testing at 37°C, Volume Loss (MM³) @ 400,000 Cycles.

*Internal data on file. For more information, contact Consumables-Data-Requests@dentsplysirona.com





Lucitone Digital Print Denture ON-DEMAND EDUCATION

To learn more, contact your Dentsply Sirona representative or visit dentsplysirona.com

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Dentsply Sirona will partner with you every step of the way. Digital learning tools are available at your convenience. Ask your Dentsply Sirona representative to learn more about becoming a Lucitone Digital Print Denture certified lab.

Additional resources are available at dentsplysirona.com.

- Print to Finish for Primeprint Solution - Illustrated Technique Guide
- Digital Denture Design in 3Shape - Illustrated Technique Guide
- Reference Denture Clinical Workflow with Primescan - Illustrated Technique Guide