

Lucitone Digital Print Denture™ System

EXPANDING THE POSSIBILITIES

It's time to take the lead

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.

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



The Lucitone Digital Print Denture™ (LDPD) System has been developed to help you thrive in this changing landscape and to become the lab every clinician wants to work with.

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>.

Increasing capacity, throughput & simplicity

Lucitone Digital Print Denture™ (LDPD) System provides an easy-to-operate, cost-effective way for any lab with a validated printer to scale up production and drive profitability, without sacrificing the material standards established with traditional products.

With an average of **76% labor time saved**, LDPD solutions maximize throughput and help manage growing volume demands.

EFFICIENCY ANALYSIS

Technician Skill Level

Difficult

Moderate

Easy

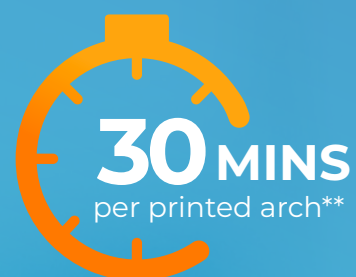
Max printer output



Printing is **>900% more productive** than traditional denture processes*

*Carbon® M1 and M2 Printers

Labor speed



Printing requires **less labor** per arch than traditional processes*

**Excludes estimated design time

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

EXPANDING THE POSSIBILITIES



We've broken the mould to bring you a comprehensive range of materials and validated workflows that streamline the production of both premium and economy digital dentures.

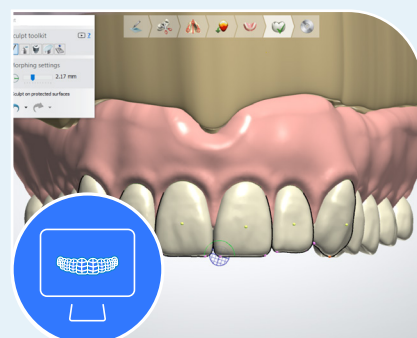
With the option to provide two complementary denture tiers, labs like yours can now offer greater digital choice to clinicians and their patients. LDPD takes you from the constraints of traditional denture manufacturing to a new era where you can quickly print single-arch dentures and manage complex cases.

Lucitone Digital Print Denture™ System

CONFIDENCE FOR DIGITAL EVOLUTION

LDPD lets you quickly produce the most accurate, 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.

The validated materials and workflows establish process consistency and product confidence to deliver accuracy, efficacy, and repeatable results.



Design

- Import final impression and records (occlusal rim) to a design engine/service.
- The Digital Denture Tooth Libraries Mould Chart includes: Digital Genios®, Digital Portrait®, and IPN 3D™ Denture Tooth Libraries.



Try-in/Teeth

- Different selections for printing or milling denture teeth to suit every case.



Print Denture Base

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



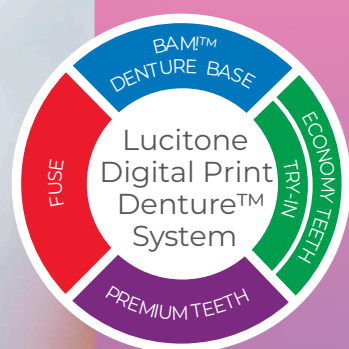
Fuse

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



Cure

- Multiple units with varying capacity to fully cure Lucitone Digital Print Denture materials.



Extremely Innovative. Anything but Experimental.

Trust the Lucitone Digital Print Denture™ System to optimize labor resources and increase denture throughput—with beautiful, precise results. It's a proven approach, built on 100+ years of materials science and in-market success.

Our digital workflows enable you to move from analog to digital production for every denture (premium and economy), delivering capacity, throughput and simplicity.



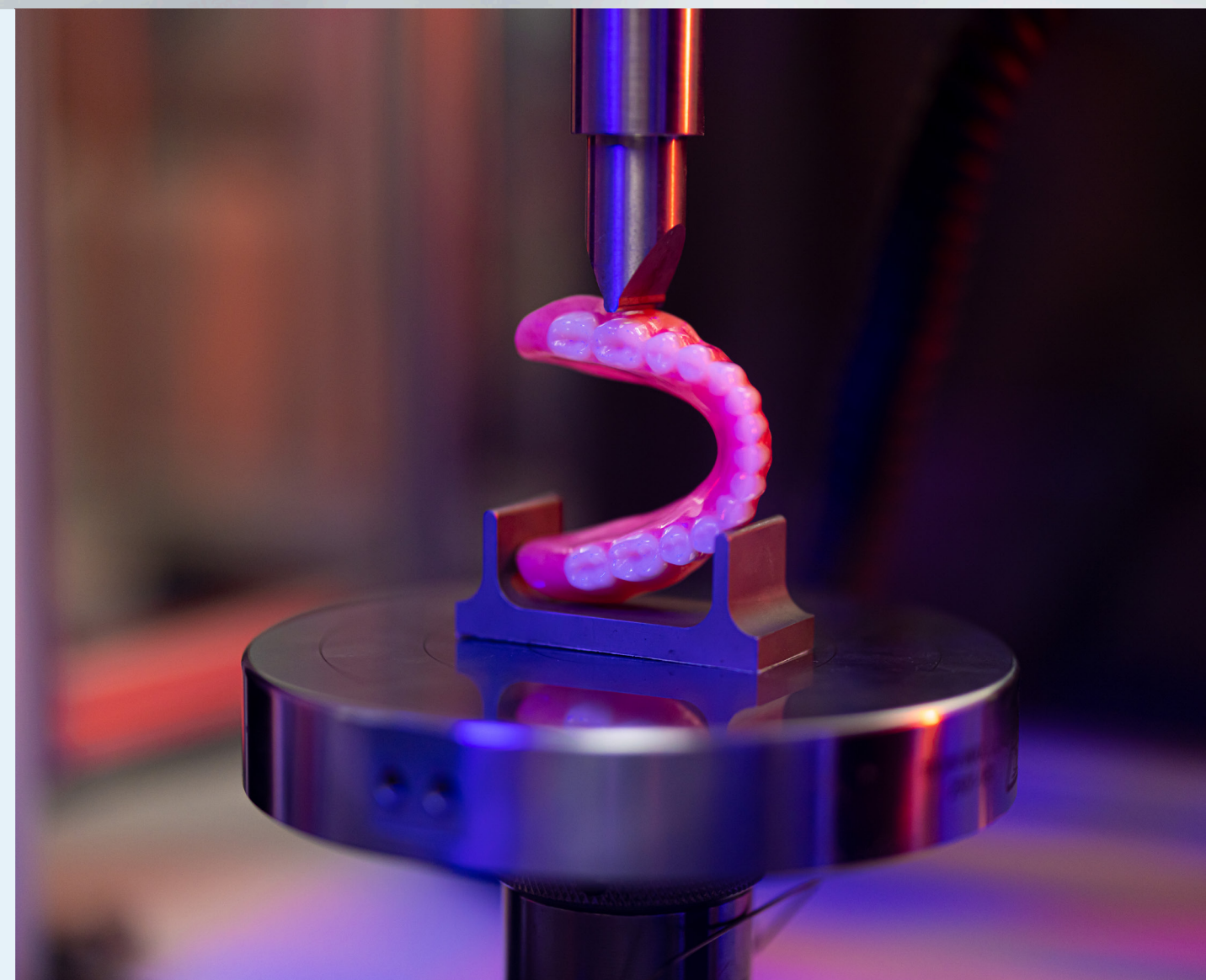
We've added materials with compelling benefits to help you move into a fully digital production to boost your output and efficiency.



Lucitone Digital Print™ 3D Denture Base

Our 3D denture base includes every subtle hue from light pink to dark red, offering a complete suite of Lucitone® gingiva shades to match any patient.

- Exceeds ISO high impact standards
- No mixing required - just pour and print
- Available in five Lucitone shades



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 IPN™ 3D Premium Tooth

BUILT FOR BEAUTY AND DURABILITY

With Lucitone Digital IPN, labs can meet the accelerating demand for premium denture teeth with esthetics built into the workflow.

- 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 16 A-D shades*, plus two bleach shades.
- Pour and print, no mixing required



"The esthetics, translucency, workflow, on-demand manufacturing, and customization are simply groundbreaking."

Trà Chambers
Express Dental Lab



UNLIMITED RANGE OF PREMIUM DENTURE TEETH ESTHETICS

Built for the 18 shades of Dentsply Sirona's Lucitone Digital IPN 3D Premium Tooth resin, the Highly Characterized (HC) libraries deliver the esthetic features lab technicians and dentists expect in premium denture teeth. Available in Digital HC Genios® and Digital HC Portrait® mould families.

*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.

EXPERTISE YOU CAN TRUST



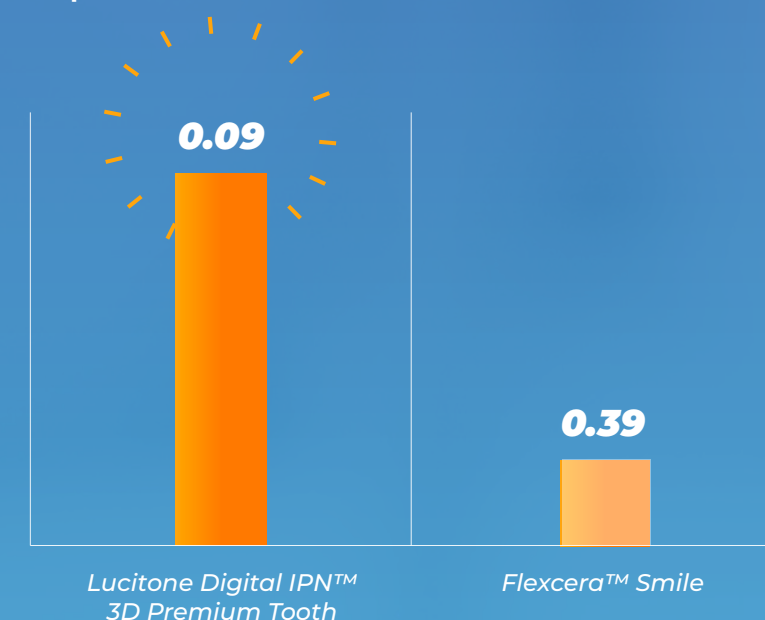
Lucitone Digital IPN™ 3D Premium Tooth that offers **superior wear resistance** of traditional, premium-level teeth, while **meeting esthetic demand**.

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



WEAR RESISTANCE ANALYSIS FOR LUCITONE DIGITAL IPN™

Up to 4.3x Better



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

- 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

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

Lucitone Digital Value™

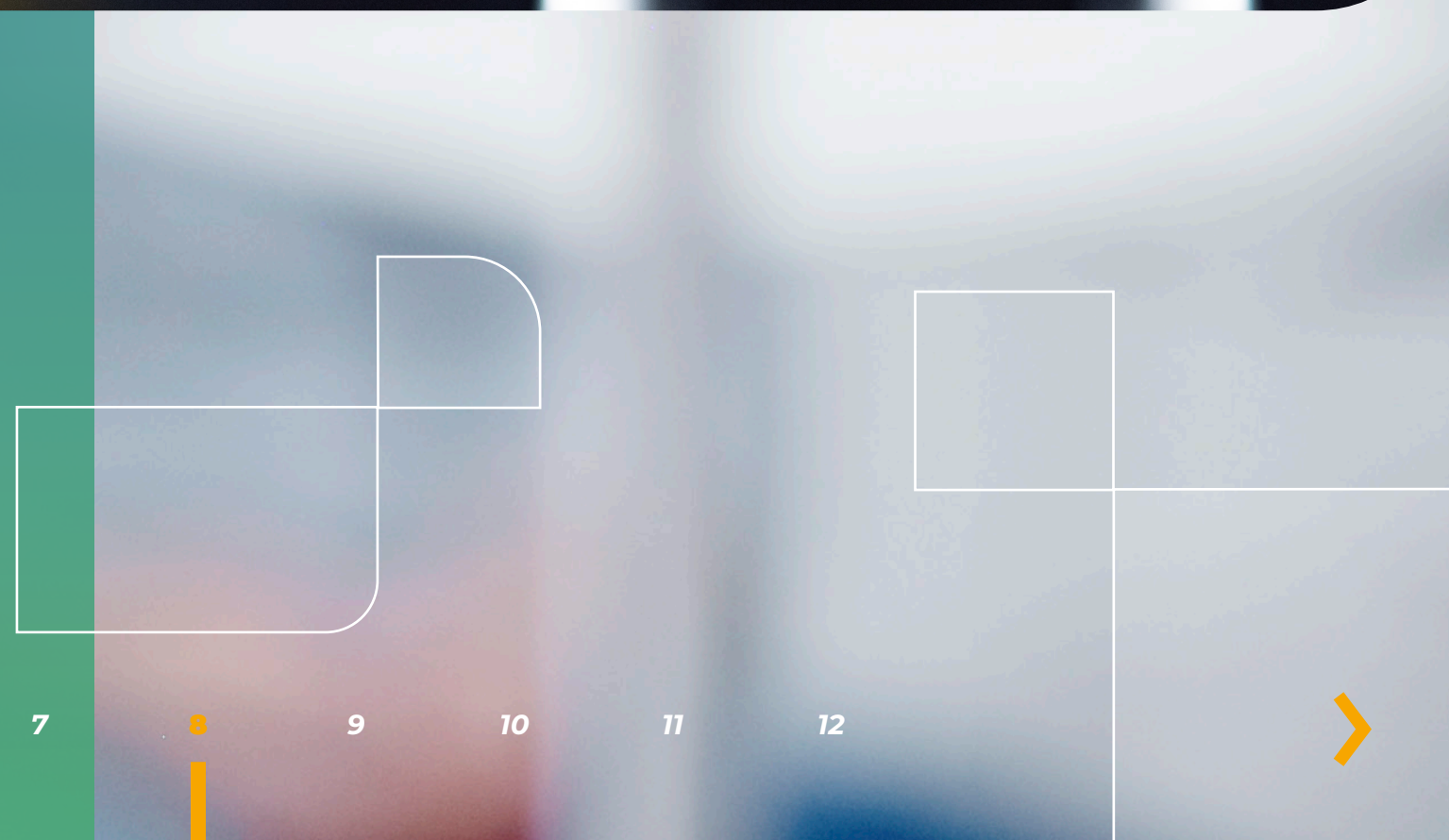
3D Economy Tooth & Trial Placement



CREATED WITH VOLUME AND SPEED IN MIND

Lucitone Digital Value delivers good looks and lasting durability, and is suitable for all classifications of full-over-full and single-arch cases.

- Multi-use material lets you quickly print economy teeth with the esthetics and wear to comfortably meet value appliance requirements
- You can also use Lucitone Digital Value for try-ins
- Available in the six most popular A-D shades





IPN 3D™ Digital Denture Teeth

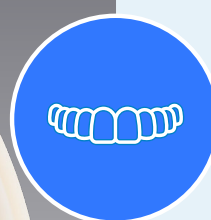
HIGH-QUALITY, LONG-LASTING DENTURE TEETH

IPN 3D Digital Denture Teeth bring technological advancement to the denture lab – transforming traditional, highly-esthetic manufactured teeth for a digital world

- Distinctively designed for printed or milled appliances
- The digital libraries have been optimized for designers to deliver digital accuracy
- A “no-grind” design virtually eliminates intaglio breakthrough
- Wax-free packaging



Superb abrasion resistance, excellent color stability
and maximum bond strength

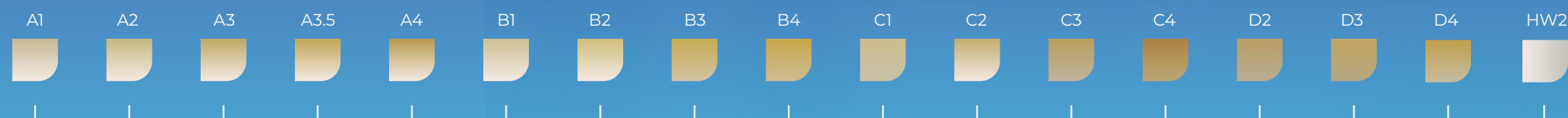


DS Multilayer PMMA Disc

FLEXING TO MEET EVERY SHADE NEED

Validated for our Lucitone Digital Print™ 3D Denture Base, the DS Multilayer PMMA Disc lets you mill strong, beautiful teeth for even the most complex denture cases.

- Available in 16 A–D shade designations* and 1 bleach shade
- Premium material consists of 13 individual layers of dentin and enamel shades that blend seamlessly together
- Ready for single-arch and class I, II, and III occlusions
- Durability without compromising esthetics



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Dentsply Sirona Digital Curing Units

Dentsply Sirona Digital Cure Units have been uniquely designed to provide higher temperatures and custom light wavelengths that are required to achieve a validated cure of Lucitone Digital Print materials.

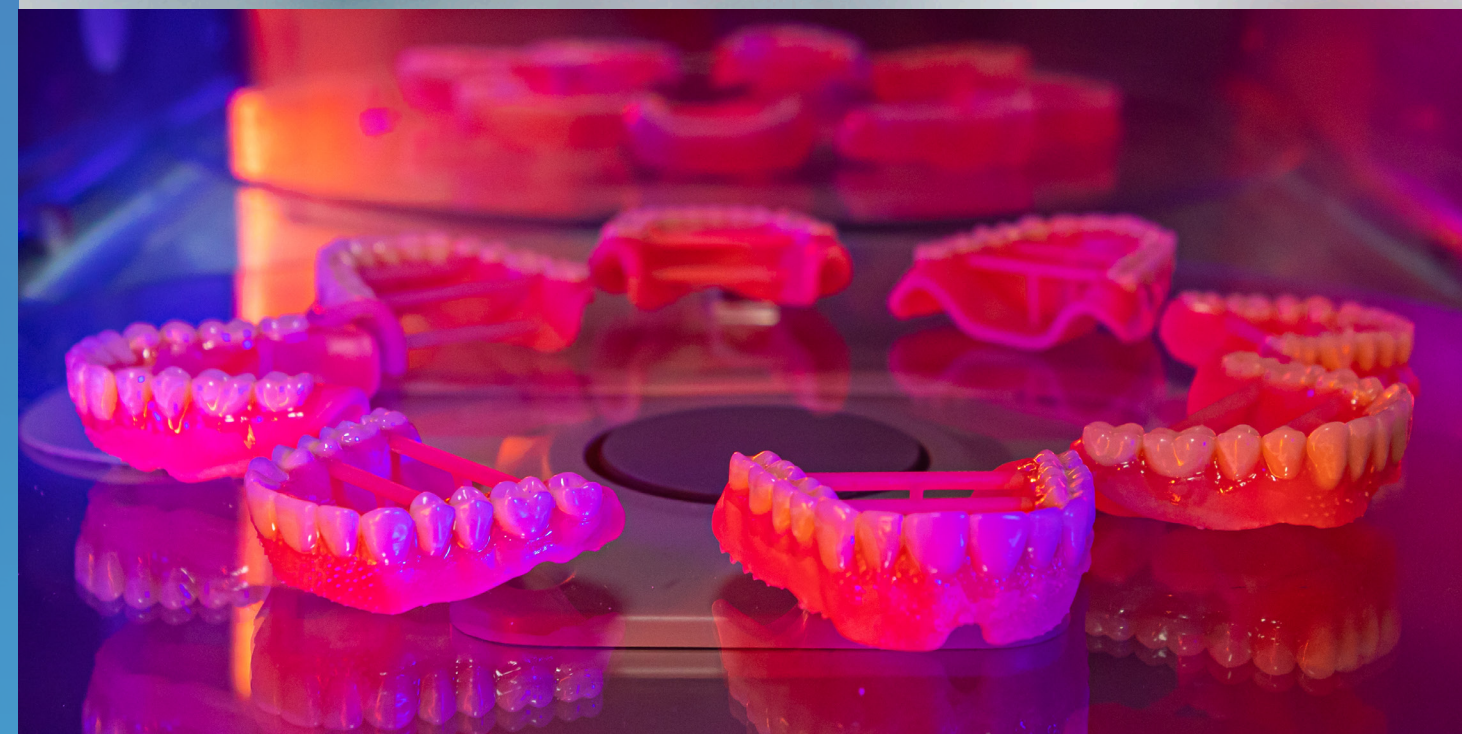
Dentsply Sirona Digital Cure

- Rapid curing of up to 5 arches in approximately 60 minutes



Dentsply Sirona Digital Cure - Large Capacity

- Cures up to 9 arches in 90 minutes



No FLIP curing technology - simplifies process with less labor

Low maintenance LEDs - provide long and powerful lifespan

One touch presets or custom mode



Lucitone Digital Print Denture

ON-DEMAND EDUCATION

We are in this together and 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.

- Illustrated Technique Guides for validated printers
- Digital denture workflow training videos for labs
- New and Reference Denture clinical workflow videos

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

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