



MILLED DIGITAL DENTURE WORKFLOW SOLUTION

More speed.
More flexibility.
More profitability.



Growing demand. Increasing workloads.

25% ↑

Of the global population 65 and older suffer from edentulism¹

576M ↑

Global edentulous population driving increased denture demand at labs²

The number of dental labs in the market is shrinking at a time when an aging population is increasing the demand. With fewer labs, fewer highly experienced technicians and more work to do, an efficient and accurate workflow is essential to profitability.

There has never been a better time to go digital.

80% ↑

Of larger labs surveyed are fully equipped for digital dentures³



The Dentsply Sirona Milled Digital Denture Workflow Solution addresses the downsides of traditional denture fabrication by delivering a more efficient process with resource optimization that leads to greater profitability.

¹The World Health Survey (Petersen, 2009b; World Health Organization, 2006)
²Data on file
³Key Group 2016 US Dental Laboratory Market Assessment and Trend Report

Traditional dentures are effective, but the industry needs and expectations are changing.

▶ CUSTOM TRAY

45% of patients reported poor fit, pain, or size problems with their dentures.⁴

The traditional denture process starts with two clinical steps - requiring patient, clinician, and laboratory time.

The digital workflow can combine these two steps into one-convenient chairside appointment.

▶ OCCLUSAL RIM/ RECORDS

Occlusal rims and patient records are required in the traditional and digital worlds.

Digital scanning of impressions and occlusal rims provide accurate duplication of anatomy without multi-step stone and denture investment techniques.

▶ SET-UP

Labs report difficulty in finding skilled technicians that understand the artform of setting teeth.

Existing digital designers can build on crown and bridge experience, and can more easily cross-train to digital removables.

This allows labs to utilize technicians with varying skill sets to fabricate dentures.

▶ WAX TRY-IN

A traditional Try-In confirms aesthetic design and function, but provides no other utility.

A digital Try-In greatly reduces labor and permits the rapid fabrication of a diagnostic appliance. Clinicians can place, review and adapt the Try-In for patient function.

▶ PROCESS + FINISH

Traditional denture investment techniques take time and knowledge of occlusion.

Digital designers use proven software tools or services to create a computerized occlusion, and the assembly is done by multi-skilled lab technicians using simple workflow techniques.

Going digital provides resource optimization with less steps.



"Producing a denture that fits great has always been a challenge due to many variables in the lab and clinical process. I have been waiting for a digital denture workflow that delivers a denture exceeding patient expectations."

Ethan Davis
Chen Dental



⁴The top 10 things denture wearers told us about their dentures, Dental Products Report. <http://www.dentalproductsreport.com/dental/article/top-10-things-denture-wearers-told-us-about-their-dentures>
⁵<http://www.avadent.com>

Choose a proven digital workflow that combines superior materials with the latest technology.

The Dentsply Sirona Workflow Solution delivers all the materials that you need to create excellent-fitting dentures. Both you and your lab will appreciate the cleaner, simplified workflow that optimizes resources and increases profits.



► DIGITIZE IMPRESSION + DESIGN

Lab scans the impression to capture a digital record, eliminating the need for a model. Final impressions and records (occlusal rim) are scanned by the technician and imported to a design engine/service.

inEos X5 Scanner

Brings robotic scanning to the dental laboratory. The smart scanning technology automatically positions the model to quickly scan only the important areas.



Design

Use inLab SW 20.0 Denture Design or other software products.

► OUTPUT TRY-IN + CAPTURE INITIAL FIT

Try-In is milled or printed in your lab, saving time and labor while providing an emergency appliance.

Try-In

Created for diagnostic use to verify occlusal function, aesthetic and phonetic needs.



► OPTIMIZE + OUTPUT FINAL APPLIANCE

Try-In is rescanned, and the design is adapted (if required). The design is outputted to the mill. A multi-skilled technician assembles the appliance and polishes it.

inLab MC X5 Mill

5-axis mill designed as a universal production unit to meet dental laboratory requirements for cost-efficient production.



Lucitone Digital Fit™ Denture Discs

Industry benchmark for high strength and impact resistance. Low residual monomer and low porosity.

Available in 20mm, 25mm, 30mm, and 35mm heights with seven shades: original, light, light reddish pink, dark pink, original opaque, pink (no veins), and pink opaque (no veins).



Lucitone® HIPA High-Strength Pour Acrylic

Proven bonding compatibility with Lucitone Digital Fit Denture Base Discs and IPN 3D™ Digital Denture Teeth.



IPN 3D™ Digital Denture Teeth

Technological advancement comes to the denture lab - transforming traditional, highly-aesthetic 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.



"The ultimate digital collaboration creates incredible fit and strength for superb functionality for the patient."

Bill Atkission
Bella Vita Dental Designs

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