

SEMI-DIGITAL HIGH-STRENGTH GLASS WORKFLOW SOLUTION Celtra® Press

More speed.
More predictability.
More profitability.

THE DENTAL
SOLUTIONS
COMPANY™

 Dentsply
Sirona

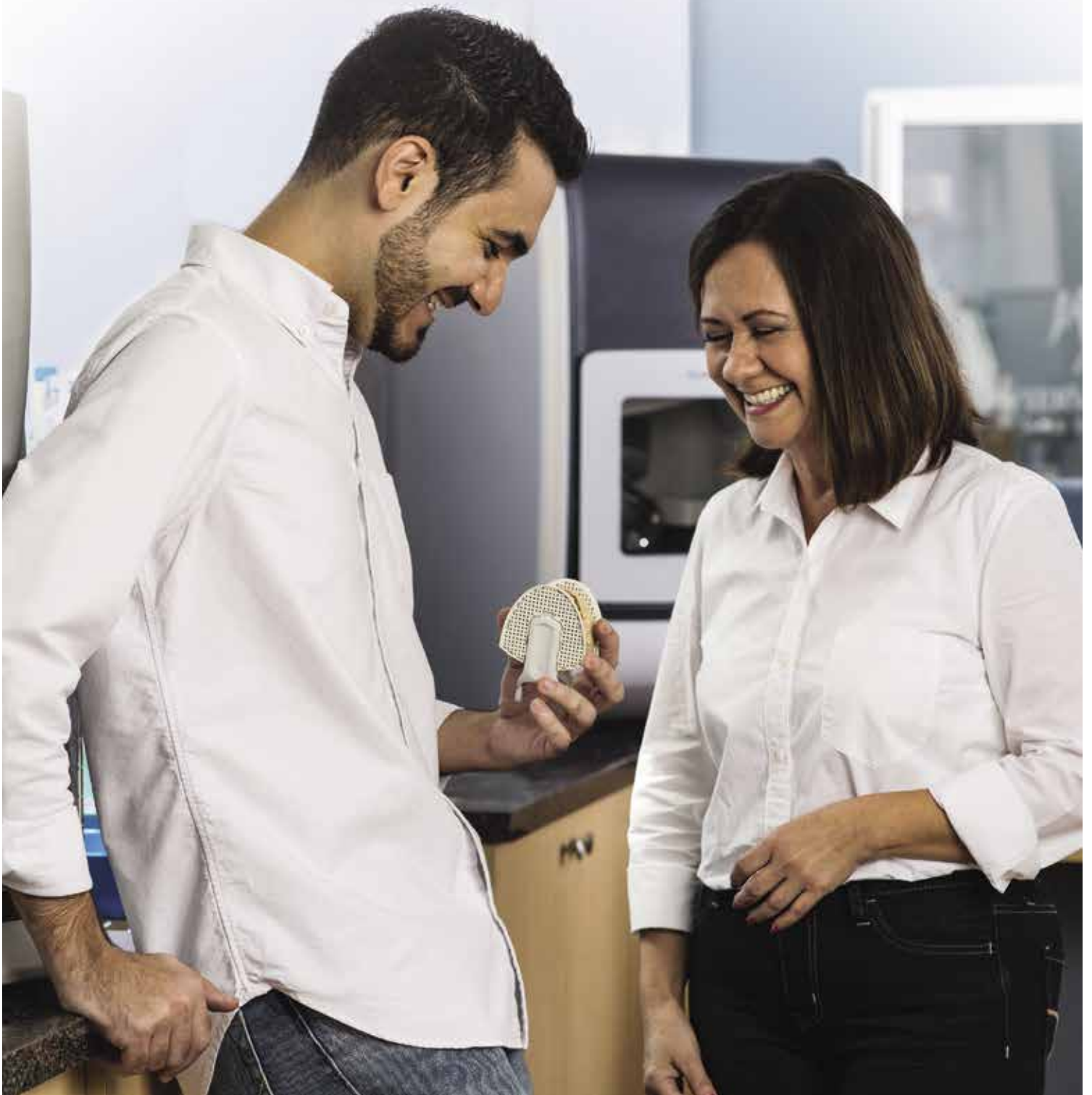
Increasing workloads. Higher quality expectations. Fewer resources.

7.7%↑

compound annual growth rate of global dental crown & bridge market by 2021.²

18%↓

decrease in the number of labs over the last decade.¹



Mergers, acquisitions and retirements of experienced dental technicians are shrinking the dental lab market at a time when an aging population and advancements in endodontic and implant care are increasing the demand.

With fewer labs, fewer highly experienced techs and more work to do, an efficient and accurate workflow is essential to profitability.

An opportunity for unprecedented success.

Semi-Digital High-Strength Glass Workflow Solution

Many labs have adopted high-strength glass ceramics for their outstanding balance of strength and aesthetics. However, these materials can be time-consuming and technique-sensitive to work with.

With Dentsply Sirona's Semi-Digital High-Strength Glass Workflow, your lab can eliminate the model-making process while using traditional materials and tools designed for enhanced workflow speed, predictability and profitability.



A faster workflow. More predictable outcomes. Higher profitability.

Dentsply Sirona's workflow for semi-digital high-strength glass restorations includes everything you need to handle even the most complex cases with reliable results while eliminating steps to save substantial time and money.



SCAN

Primescan

The new intraoral scanner is your perfect starting point into digital dentistry - for scanning and sending impressions directly to the laboratory

inEos X5

5-axis technology provides the greatest accuracy with simple operation for optimal digital strategies and scanning of traditional models or impressions

► DESIGN

inLab CAD Software

Optimized design modules for crowns and bridges, implant cases and removable restorations

► MILL WAX-UP

Wax and PMMA Burnout Discs

Ideal materials for all-ceramic frameworks

inLab MC X5

Universal wet/dry production unit





▶ **SPRUE, INVEST, PRESS + DIVEST**

Celtra® Press Investment

Low reactivity investment eliminates conventional processing steps

Celtra® Press Ingots

New class of high strength glass ceramics, zirconia reinforced lithium silicate - ZLS.

Multimat® Cube press

Universal pressing and firing furnace for firing Celtra® Press, Celtra® Ceram porcelain and Universal Stain & Glaze material

▶ **FINISH + FIRE**

Celtra TwisTec® Finishing Kit

Covers processing steps from contouring to high-gloss polishing

Celtra® Ceram Veneering Porcelain

Celtra® Ceram introduces the versatility of a single veneering system designed exclusively for all-ceramic substructures including lithium silicates and zirconia oxides

Universal Stain & Glaze

Maximum compatibility to satisfy all of your needs in a single finishing system



Speed up production and ensure predictable results.

Dentsply Sirona's Semi-Digital High-Strength Glass Workflow Solution incorporates a digital wax-up produced from an intra-oral file. Designing and milling full-contour design files eliminates costly and timely model-making and the need to veneer with porcelain. This workflow streamlines the process for faster turnaround times with excellent quality and consistency. Alternatively inEos X5 can be used to digitize traditional models.

START DIGITALLY, MILL EFFICIENTLY, AND PRESS SUCCESSFULLY

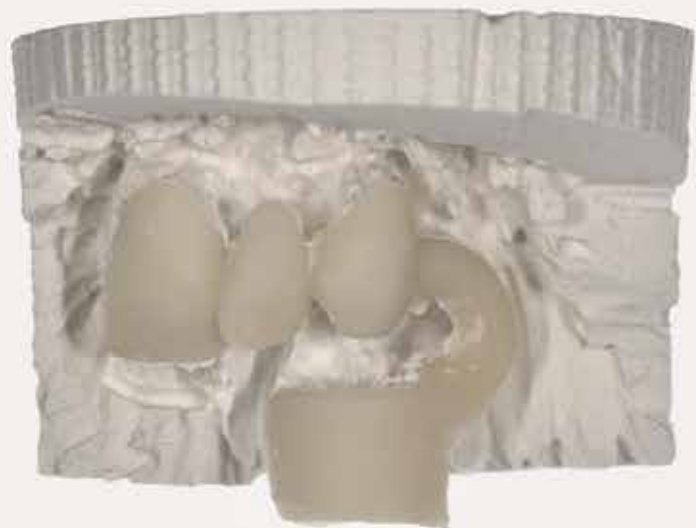
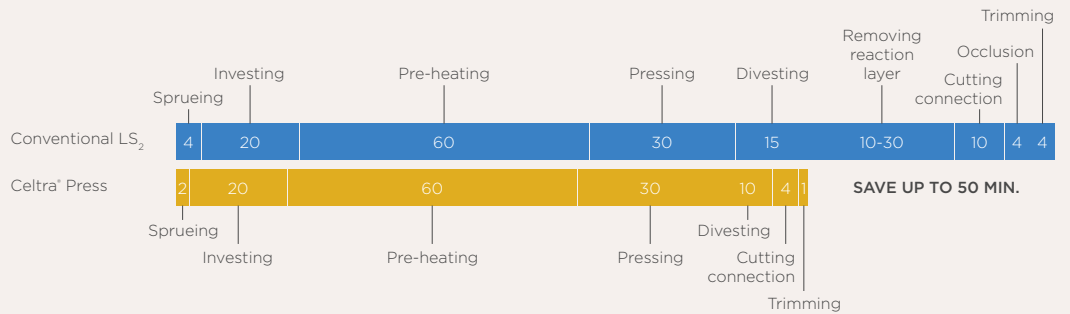
Besides the **inEos X5 extraoral scanner**, the **Primescan intraoral scanner** provides digital impression data for the precise fabrication of dental prostheses, thus saving time and money shipping models and impressions. Have immediate and direct contact with the dentist during the appointment.



Quickly send the digital data to the **inLab MC X5 milling machine** and it will deliver predictable, efficient wax-ups from **milled wax or burnout PMMA**. They offer uncompromising consistency, rigidity, dimensional stability and strength against breakage.



TIME-SAVING ON A 3-UNIT BRIDGE



Celtra® Press Investment

saves time, while low reactivity eliminates the need to remove a reaction layer along with the time and care of handling toxic acids.

Sprueing is made simple with just one pressing channel thanks to the low viscosity and excellent flow properties of **Celtra® Press**.

Celtra® Press material features a unique microstructure with a smaller crystal structure than conventional lithium disilicate materials. Pressing the material in the **Multimat® Cube press furnace** results in a smoother surface and excellent fit that eliminates the need for further adjustments or costly remakes.

COMPARISON OF MICROSTRUCTURES ZLS VS. LS₂

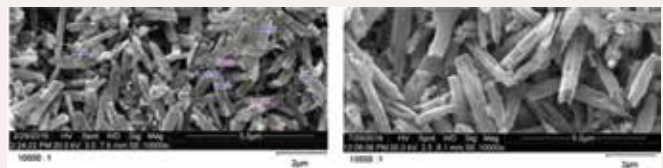
UNPRESSED INGOT



Celtra® Press crystals - 0.5µm

Conventional LS₂ crystals -1.8µm

PRESSED MATERIAL



Celtra® Press crystals - 0.3µm

Conventional LS₂ crystals - 4.2µm

Smaller crystal length in pellet results in easier flow during pressing.

Smaller crystals lead to easier polishing

Deliver superior aesthetics to your clients, and profits to your bottom line.

Every time you fire a crown unnecessarily, you're burning up 30 minutes of lab time. If the average ceramist is paid \$21.58 per hour,¹ that means you're losing \$10.79 in profitability for every extra firing.

If you use the right material, there should be no need for additional correctional firings except to add characterization to differentiate your lab, or to make incremental revenue. Instead of losing money on mistakes, you could be charging more for performing additional aesthetic work.

FINISH WITH EASE AND MAKE YOUR TEAM MORE PRODUCTIVE.

The **Celtra TwisTec[®] Finishing Kit** lets you trim the sprue collar and finish the restoration—from precontouring to smoothing, prepolishing and high-gloss polishing—without worrying about grinding or chipping that would result in costly remakes.

Celtra[®] Ceram Veneering Porcelain and **Dentsply Sirona Universal Stain & Glaze** give you out-of-the-bottle shade accuracy, optimized for bonding to Celtra[®] Press. You will reduce the number of corrective stain and glaze firings and your technicians can be trained more easily.

1. Kim Molinaro, "2016 Wage Survey Reveals Mixed Market," LMT Magazine, October 6, 2018
2. Flexural strength testing at Justus-Liebig University Giessen, Germany

C E M E N T A T I O N

AESTHETICS AND STRENGTH THAT MAKE THE CLINICIAN AND THE PATIENT HAPPY.

The microstructure size provides a perfect balance of translucency and natural opalescence. Exceptional aesthetic qualities and flexural strength of 678 MPa² makes **Celtra® Press material** perfect for practically any restoration.

The clinician can cement the restoration with a strong, translucent adhesive resin cement like **Calibra® Ceram** cement with its patented shade stable chemistry. Its wide tack cure window and extended excess cement gel phase is for easy excess cement cleanup.



“THE OPALESCENT EFFECT
LOOKS JUST GREAT IN THE
MOUTH, AND THE CROWN
BECOMES SIMPLY – A TOOTH.”

Hans Joit (MDT)
Zahntechnik Düsseldorf
Rebbe, Thielen, Joit, GmbH
Düsseldorf, Germany

Initial Situation



Dr. med. dent. Sven Rinke (Dentist)
Praxisklinik für Zahnmedizin
Priv.-Doz. Dr. S. Rinke M.Sc., M.Sc., Dr. M. Jablonski, H. Ziebolz & Kollegen
Hanau, Deutschland

Final Situation



Hans Joit (MDT)
Zahntechnik Düsseldorf
Rebbe, Thielen, Joit, GmbH
Düsseldorf, Germany



Let's build a more efficient, more profitable lab.

Consulting services

Remakes, inefficiencies, and extra steps all add up, eroding your profitability. Dentsply Sirona can help identify opportunities to achieve savings in your workflow.

The truth is in the math. We'll work with you to eliminate bottlenecks and pain points. We'll recommend specific improvements for your laboratory, from furnace calibration to inventory analysis to elimination of extra steps and remakes. We'll show how you compare with other laboratories. And we'll calculate your return on investment compared to your current workflow.

Education

We provide the resources and knowledge you need to bring greater speed, predictability and profitability to your fixed prosthetics workflow.

- Lab Marketing Summit
- inLab New User CE Course
- Celtra® Press CE Course
- Webinars and Videos
- Ceramco® All Ceramic Systems CE Course
- Resource Library
- Fundamentals of Dental Ceramics CE Course

Access to CEREC Doctors

Join CEREC Doctors for access to campus training, digital learning, discussion boards and more. With more than 24,000 members worldwide and a magazine that reaches 60,000 dentists in North America, it's the largest CEREC community and education resource.

Learn more at cerectoctors.com.

To learn more about how our Zirconia Workflow Solution can
bring more speed, predictability and profitability to your lab, visit
www.celtra-dentsplysirona.com

DeguDent GmbH | Rodenbacher Chaussee 4 | 63457 Hanau-Wolfgang | Germany | +49 6181 59-50 | www.dentsplysirona.com
Dentsply Sirona | 1301 Smile Way | York, PA 17401 U.S.A. | Tel. 800-243-1942 | www.dentsplysirona.com

VITA is not a registered trademark of Dentsply Sirona. Data on file. ©2019 Dentsply Sirona Inc. All rights reserved

THE DENTAL
SOLUTIONS
COMPANY™

