Dentsply Sirona

Cercon® Multilayer:

Zirconia all-ceramic excellence delivered
through seamless digital teamwork

Learn more   >

DS CORE

Zirconia: A leading material in all-ceramic restorations

Restoring a patient's smile is a complex task. Whether they require an all-ceramic crown or bridge, the results need to be reproducible, reliable and robust. With over **20 years of experience worldwide**, our Zirconia Cercon Solution has been expertly designed to deliver proven quality for long-term safety and success.

At Dentsply Sirona, we have now developed an excellent **Zirconia Multilayer Solution** that enables confidence and patient satisfaction in the final restoration.

Benefits of our Zirconia Cercon Multilayer Solution:
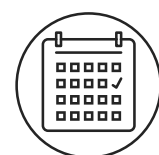
High esthetics meets strength   >

Approved color accuracy   >

Time-saving and efficient   >

Proven clinical safety   >

Cercon Multilayer: Esthetics meets strength

The Zirconia Multilayer Solution that delivers **esthetics, safety and flexibility** even for widespan bridges.

Approved color accuracy
Excellent color matching for all 16 VITA® shades.

Lifelike gradient
Four shade layers to create a seamless gradient from incisal to dentin, just like a natural tooth.

Time-saving and efficient
Easy to nest and the same sintering programs (including speed sintering in 90 minutes for up to 4-unit bridges) for all Cercon Zirconia discs. Just glaze and go.

Over 20 years of zirconia experience
Pioneers in pre-colored and pre-sintered zirconia.

VITA is a trademark of VITA WORLD LLC.

Two Cercon ML discs,
one Zirconia Multilayer Solution.
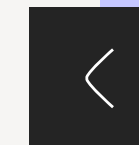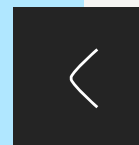
Cercon ht ML   Cercon xt ML   Applications

Cercon ht ML

High translucent hybrid multilayer zirconia for a wide range of applications, up to 14-unit bridges.

Cercon xt ML

Extra translucent multilayer zirconia for 3-unit bridges up to the 2nd premolar.

All Cercon discs are available in 98mm diameter.

Cercon Multilayer: Esthetics meets strength

The Zirconia Multilayer Solution that delivers **esthetics, safety and flexibility** even for widespan bridges.

Approved color accuracy
Excellent color matching for all 16 VITA® shades.

Lifelike gradient
Four shade layers to create a seamless gradient from incisal to dentin, just like a natural tooth.

Time-saving and efficient
Easy to nest and the same sintering programs (including speed sintering in 90 minutes for up to 4-unit bridges) for all Cercon Zirconia discs. Just glaze and go.
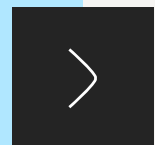
Over 20 years of zirconia experience
Pioneers in pre-colored and pre-sintered zirconia.

VITA is a trademark of VITA WORLD LLC.

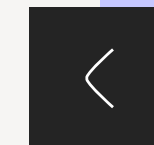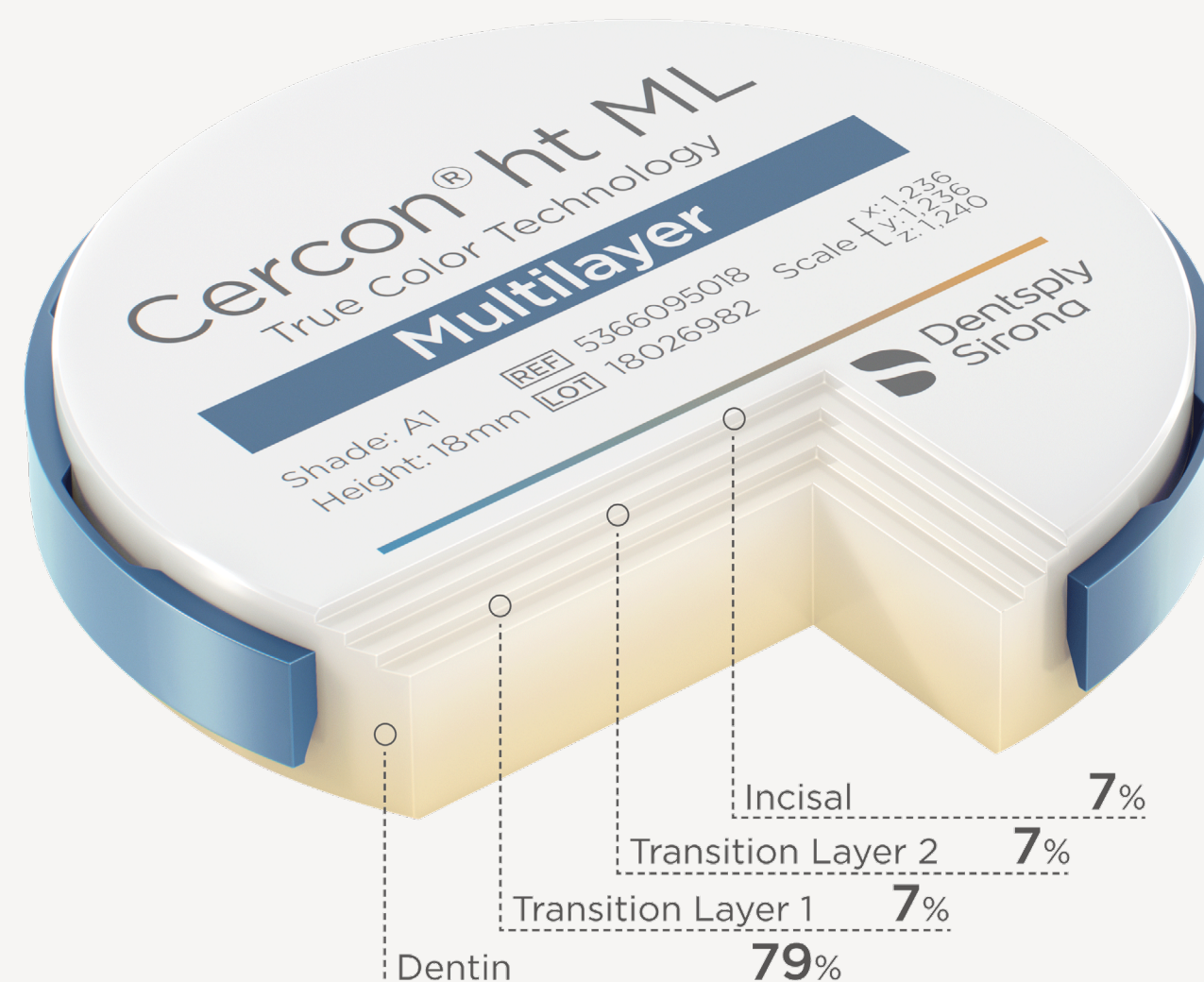Two Cercon ML discs – one Zirconia Multilayer Solution

Cercon ht ML
High translucent hybrid multilayer zirconia combining high strength and natural esthetics. For a wide range of indications.

Cercon xt ML   Applications

• **One disc for all**

From a single crown to 14-unit bridge.
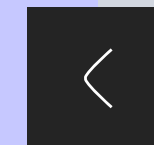No nesting restrictions even for widespan bridges.

• **Covering discolored dies**

Especially in the anterior region, depending on the degree of discoloration and wall thickness of the restoration.

Incisal   **7**%
Transition Layer 2   **7**%
Transition Layer 1   **7**%
Dentin   **79**%

Return to benefits

Cercon Multilayer: Esthetics meets strength

The Zirconia Multilayer Solution that delivers **esthetics, safety and flexibility** even for widespan bridges.

Approved color accuracy
Excellent color matching for all 16 VITA® shades.

Lifelike gradient
Four shade layers to create a seamless gradient from incisal to dentin, just like a natural tooth.

Time-saving and efficient
Easy to nest and the same sintering programs (including speed sintering in 90 minutes for up to 4-unit bridges) for all Cercon Zirconia discs. Just glaze and go.

Over 20 years of zirconia experience
Pioneers in pre-colored and pre-sintered zirconia.

VITA is a trademark of VITA WORLD LLC.

Two Cercon ML discs – one Zirconia Multilayer Solution

Cercon ht ML

Cercon xt ML
Extra translucent multilayer zirconia for natural anterior esthetics.
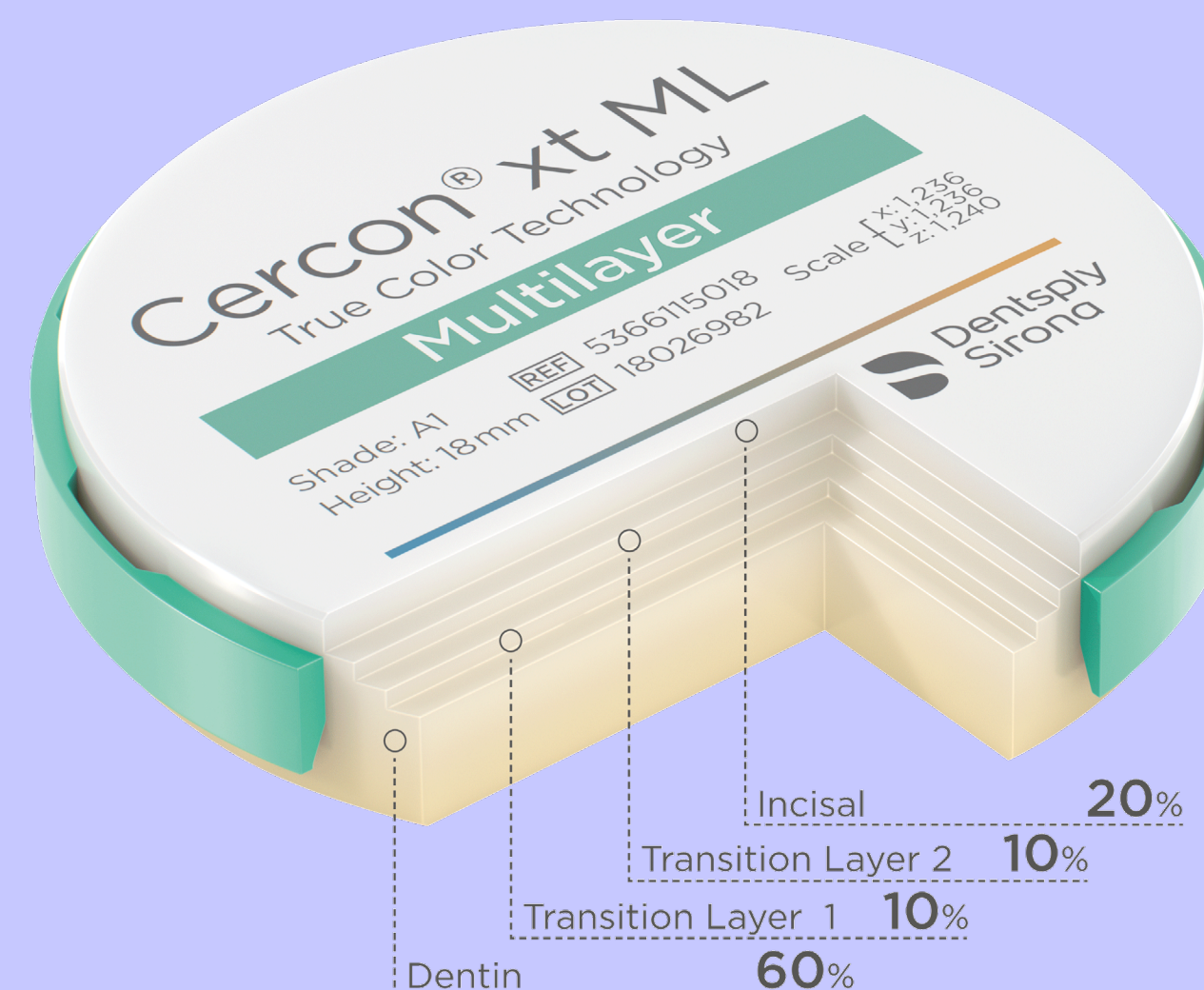
Applications

• **Especially for monolithic restorations**

High translucency and unparalleled shade accuracy, resulting in lifelike esthetics especially in the anterior region.

• **Up to 3-unit bridges**

In the anterior region up to the 2nd premolar.

Cercon® xt ML
True Color Technology
Multilayer
Shade: A1
Height: 18mm
REF 536615018 LOT 18026982 Scale X1.236 Y1.236 Z1.240
Dentsply Sirona

Incisal   20%
Transition Layer 2   10%
Transition Layer 1   10%
Dentin   60%

Cercon Multilayer: Esthetics meets strength

The Zirconia Multilayer Solution that delivers **esthetics, safety and flexibility** even for widespan bridges.

Approved color accuracy
Excellent color matching for all 16 VITA® shades.

Lifelike gradient
Four shade layers to create a seamless gradient from incisal to dentin, just like a natural tooth.

Time-saving and efficient
Easy to nest and the same sintering programs (including speed sintering in 90 minutes for up to 4-unit bridges) for all Cercon Zirconia discs. Just glaze and go.

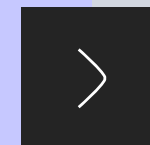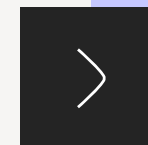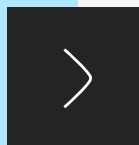**Over 20 years of zirconia experience**
Pioneers in pre-colored and pre-sintered zirconia.

VITA is a trademark of VITA WORLD LLC.

Two Cercon ML discs – one Zirconia Multilayer Solution

Cercon ht ML

Cercon xt ML

Applications	Cercon ht ML	Cercon xt ML
Crowns in the anterior region	●	●
Crowns in the posterior region	●	●
Primary telescope crowns	●	
Two-piece abutments[1]	●	
3-unit bridges in the anterior region (up to 2nd premolar)	●	●
3-unit bridges in the posterior region	●	
≥4-unit bridges in the anterior region	●	
≥4-unit bridges in the posterior region	●	
Full round house (with no more than 2 pontics between the abutment crowns)	●	

1. Not valid for USA.

A benchmark in zirconia color accuracy

Color accuracy is a key success factor for all-ceramic restorations. Our True Color Technology provides confidence in reproducing the desired tooth color and minimizes the risk of remakes.

- **Developed through decades of experience** in ceramic shade reproduction

- **Approved color-matching** for all 16 VITA shades

- **Consistent quality for every batch** ensured by our production process and in-process control

Highly Rated
in terms of color accuracy for all classic 16 VITA shades. Based on internal tests and ratings with dental technicians from Europe and the USA.

"For me Dentsply Sirona's Cercon Multilayers are the new benchmark against which all other multilayers will be measured against. It is my belief that you will be as equally delighted with this material as I am. Just try it and happy milling."

Devaughn Fraser, Highland Dental Laboratory, Canada[1]

"The most important feature of Cercon ht ML is the simplicity with which it is possible to obtain a very faithful result for the classic V-shades. The product allows an easy finishing of the restorations with glazing and staining. For monolithic restorations, it represents a turning point, not only for small bridges, but also for more extensive restorations and the anterior region."

Massimo Merli, Laboratorio Odontotecnico, Italy[1]

1. The physicians and technicians may have been compensated for the use of their experience.

Return to benefits

Disc structure created to combine esthetics and safety

With Cercon, you can trust in over **20 years of zirconia experience**.

Cercon ht ML

High bending strength and lifelike esthetics for a broad indication

Hybrid zirconia multilayer material to combine high flexural strength and natural tooth esthetics in one disc. Gradient from 1200 MPa in the dentin area (3Y-TZP) up to 750 MPa in the incisal area (5Y-TZP).
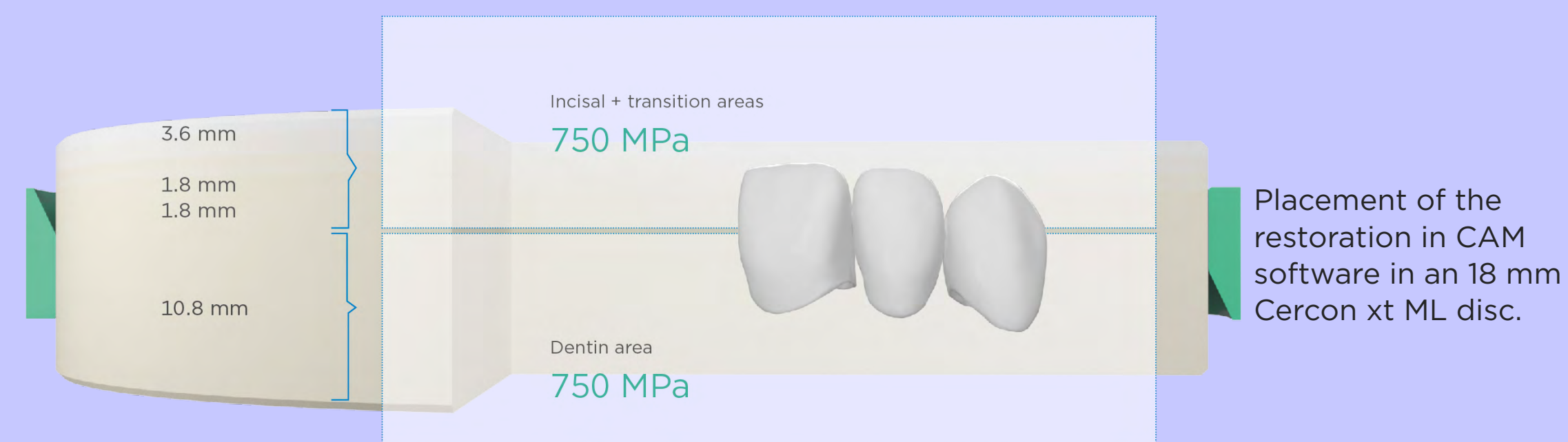
Translucency 41–49%.

Incisal + transition areas
750 MPa

1.3 mm
1.3 mm
1.3 mm

14 mm

Dentin area
1200 MPa

Placement of the restoration in CAM software in an 18 mm Cercon ht ML disc.

It is recommended to nest the crown or bridge in the upper part of the disc to achieve the optimum esthetic result.

Cercon xt ML

High esthetics for monolithic restorations

Matching natural tooth esthetics without the need to veneer or stain, especially for the anterior region (flexural strength 750 MPa).

Translucency 49%.

Incisal + transition areas
750 MPa

3.6 mm

1.8 mm
1.8 mm

10.8 mm

Dentin area
750 MPa

Placement of the restoration in CAM software in an 18 mm Cercon xt ML disc.

Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.

1. Scan

2.
Share

3.
Design

4.
Mill

5.
Sinter

6.
Finishing

7.
Cementation
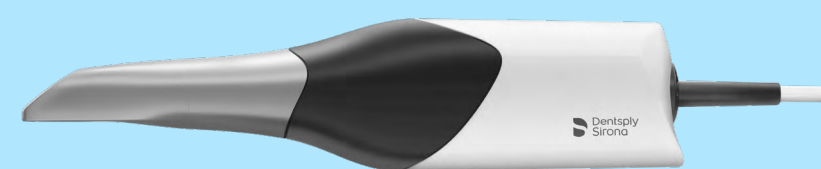
Primescan®

The starting point for digital workflows between the practice and the lab. Optimizes the fitting accuracy of the final restoration.

inEos® X5

The extraoral scanner with 5-axis technology offers proven scanning accuracy for scanning models and impressions. Basis for high-quality restorations.
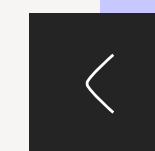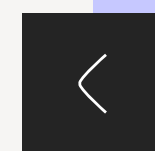
Learn more >

Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.

1.
Scan

2. Share

3.
Design

4.
Mill

5.
Sinter

6.
Finishing

7.
Cementation

DS CORE

Currently only connected to Primescan devices in this workflow.

DS Core™

The digital platform that enables cloud storage and supports GDPR/HIPPA-compliant file-sharing between dental practices and lab. Dentists can easily share scan data from their Primescan device with just the click of a button.

Learn more ›

Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.
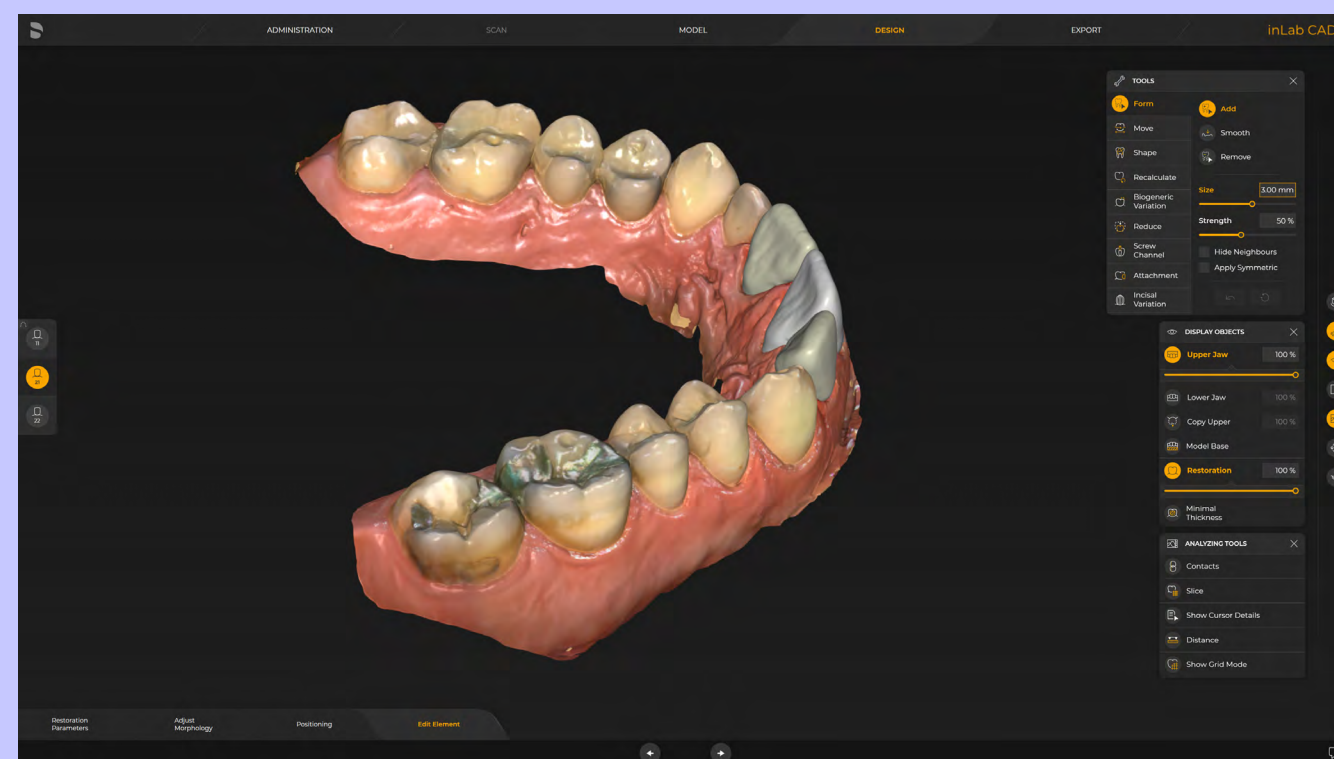
1.
Scan

2.
Share

3. Design

4.
Mill

5.
Sinter

6.
Finishing

7.
Cementation

inLab® CAD Software

The integration of Cercon ML in the material database of the CAD software saves time in the design process and automatically considers material properties – for more reliable results and reproducibility.

Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.
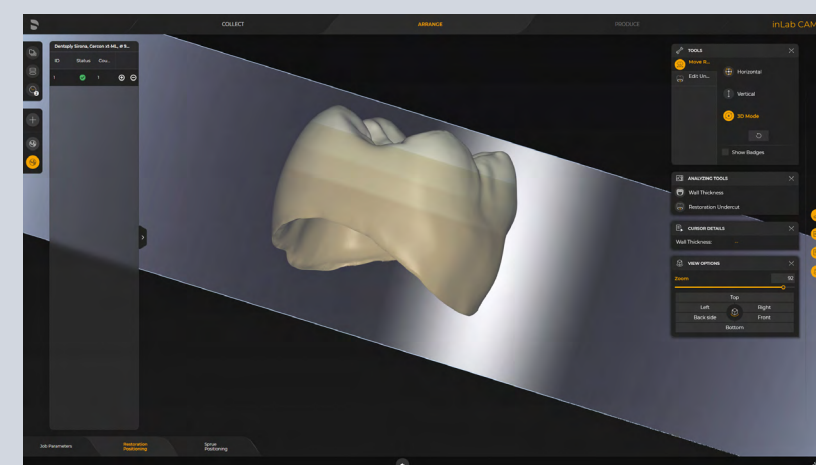
1.
Scan

2.
Share

3.
Design

4. Mill

5.
Sinter

6.
Finishing

7.
Cementation

inLab CAM Software

Cercon Multilayer discs are stored in the material database and can be quickly and directly assigned to the desired milling job via a QR code. For optimum positioning in the workpiece, the object can be manually moved and rotated in all spatial directions.

inLab MC X5[1]

Coordinated milling strategies, a positioning aid for safe repositioning of the blank and diamond-coated special milling cutters in combination with Cercon ML ensure a high-quality, reproducible result.

1. Cercon Zirconia 98 mm discs are also dedicated to other open milling machines.
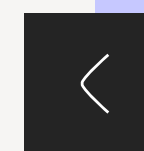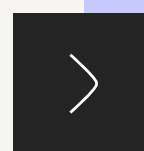
Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.

1. Scan

2. Share

3. Design

4. Mill

5. Sinter

6. Finishing

7. Cementation
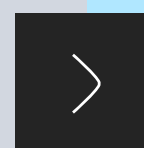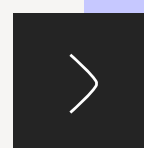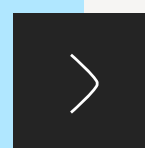
inLab Profire

Pre-programmed for Dentsply Sirona sintering materials, such as Cercon Multilayer. The furnace offers, among other things, validated sintering programs for conventional long-term sintering and speed sintering as well as sintering with pre-drying – for efficient sintering processes and reproducible results.

Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.

1.
Scan

2.
Share

3.
Design

4.
Mill

5.
Sinter

6. Finishing[2]

7.
Cementation
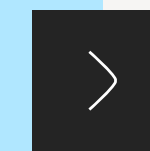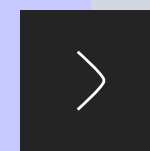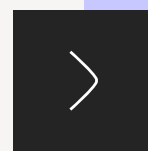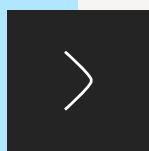
Universal Stain & Glaze®

Cercon Multilayer can be finished with only a single glaze (Glaze) or by an individual characterization with stains (Universal Stain).

Learn more ›

Multimat Cube®

Pre-installed firing programs and precise control of the furnace and firing parameters ensure reproducible results in combination with Cercon Multilayer and Universal Stain & Glaze.

2. Celtra® Ceram is especially for veneering all-ceramic frameworks and expands the opportunities in the daily application of esthetics and indications

Multiple solutions for your seamless workflow

When you choose Cercon Multilayer for your restorations, consider our other solutions too. Our digital solutions work better together, so that you can do the same in the lab, creating one efficient and validated digital workflow that results in reproducible, reliable and robust restorations each time.

1.
Scan

2.
Share

3.
Design

4.
Mill

5.
Sinter

6.
Finishing

7. Cementation

Calibra® Cements

The Calibra family of definitive cements makes it easier than ever to achieve consistent, successful results in your indirect restorations.

Learn more >

CEREC Tessera™: Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

Tooth-like esthetics
The interaction of the dual crystal structure with the visible light spectrum produces outstanding translucency, fluorescence and opalescence properties.

High-strength glass-ceramic block
The highest strength of the glass-ceramic blocks currently available on the market – up to 32% higher than the competition,[1] with a biaxial strength of over 700 MPa.

Fast total processing time
Restorations require only a short glaze firing for processing efficiency.

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

"Particularly important for me is the fast processing in combination with the excellent marginal stability of the restorations."

Sabine Mayer, MDT, Germany[2]

Learn more >

2. The physicians and technicians may have been compensated for the use of their experience.

For every need	Esthetic level 1	Esthetic level 2	Esthetic level 3	Esthetic level 4	Esthetic level 5

CEREC Tessera™: Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

Esthetics,
strength
and speed

For every need
Whether simply glazed, characterized with stains or individualized with veneering ceramics, CEREC Tessera offers the flexibility you need.

"Minimal effort, excellent results — CEREC Tessera enables me to meet the various requirements of my dentists in the best possible way."

Lino Adolf, CDT, UK[1]

Learn more >

1. The physicians and technicians may have been compensated for the use of their experience.
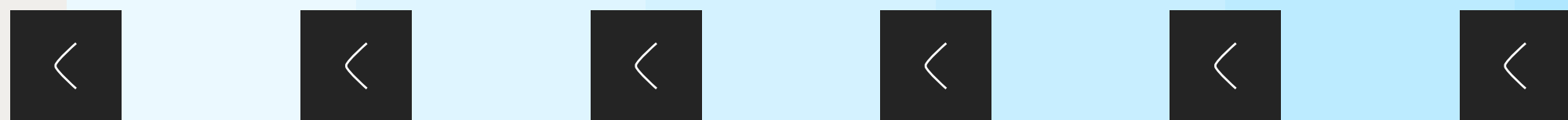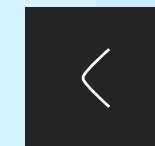
Esthetic level 1   Esthetic level 2   Esthetic level 3   Esthetic level 4   Esthetic level 5

CEREC Tessera™: Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

Esthetics, strength and speed

For every need

Esthetic level 1

■□□□□

A glaze with a fire.
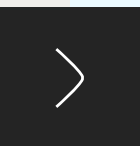

Esthetic level 2

Esthetic level 3

Esthetic level 4

Esthetic level 5

CEREC Tessera™: Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

Esthetics, strength and speed

For every need

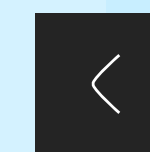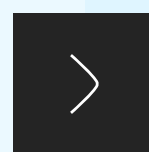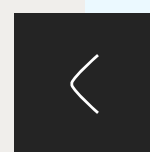Esthetic level 1

Esthetic level 2

■■□□□
Stain and glaze in one fire.

Esthetic level 3

Esthetic level 4

Esthetic level 5

CEREC Tessera™:
Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

| Esthetics, strength and speed | For every need | Esthetic level 1 | Esthetic level 2 | **Esthetic level 3** | | Esthetic level 4 | Esthetic level 5 |

Esthetic level 3

■■■□□

Stain and glaze
in two firings.

CEREC Tessera™: Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

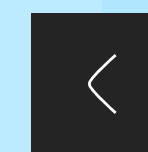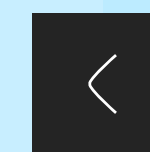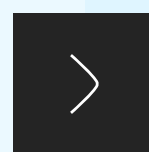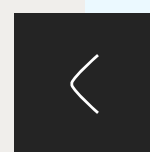| Esthetics, strength and speed	For every need	Esthetic level 1	Esthetic level 2	Esthetic level 3	**Esthetic level 4**	Esthetic level 5

Esthetic level 4

■■■■□

One Celtra Ceram enamel mass; one stain and glaze.

CEREC Tessera™: Esthetics for every need

Need flexibility? The selection of materials for all-ceramic restorations often requires a balance between strength and esthetics. CEREC Tessera combines **esthetics, strength and speed**, and helps to avoid compromises. Together with Cercon Multilayer, CEREC Tessera provides you with flexibility for all-ceramic solutions.

CEREC Tessera blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures – lithium disilicate and virgilite – within a glassy zirconia matrix.

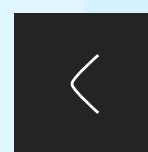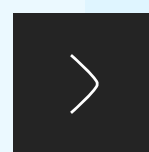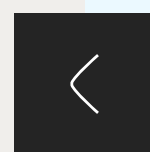| Esthetics, strength and speed	For every need	Esthetic level 1	Esthetic level 2	Esthetic level 3	Esthetic level 4	**Esthetic level 5**

Esthetic level 5

■■■■■

Three Celtra Ceram enamel masses; one stain and glaze.
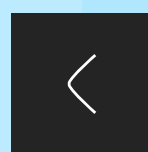
Return to workflow

Universal Stain & Glaze and Celtra Ceram: Finishing and individualization for nearly every esthetics need

Universal Stain & Glaze

The Universal Stain & Glaze is specially formulated with maximum compatibility to satisfy all of your needs in a single finishing system.

Compatible with:

CTE 25–500°C: $7.5 \pm 0.5 \times 10^{-6}$ K^{-1}

- **Ultimate efficiency**

  Universal material compatibility eliminates multiple finishing systems in your lab.

- **Easy to use**

  Preferred paste format simplifies training and makes it easier to achieve a consistent outcome.

- **Versatile performance**

  Can be used internally and externally to achieve highly individualized effects.

Celtra Ceram

Compatible customization options
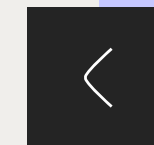
< Return to workflow

Universal Stain & Glaze and Celtra Ceram: Finishing and individualization for nearly every esthetics need

Universal Stain & Glaze

Celtra Ceram

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

Compatible with:

CTE 25–500°C: 9.0×10^{-6} K^{-1}

Compatible customization options

- **Versatile concept**

  Smart veneering concept suitable for both esthetic and production environments utilizing core masses and multiple effect powders for all-ceramic restorations.

- **Premium esthetics**

  Smart collection of core masses for high efficiency, and yet a multitude of highly esthetic effect porcelains satisfy the most creative minds in your dental laboratory.

- **Consistent performance**

  Shade-accurate, stable and forgiveness achieved using a proprietary mineral ore source with seamless blending to all-ceramic substructures.
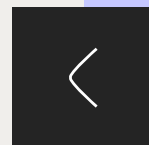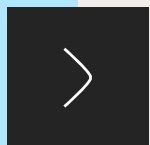
Dentsply Sirona

Celtra® Ceram
All-Ceramic Veneering Porcelain

Enamel Opal
Email Opalescent
Smalto Opalescenti
Opalschneide
Esmalte Opalescente

E02
Light

REF D650212
15 g (0.5 oz.)

< Return to workflow

Universal Stain & Glaze and Celtra Ceram: Finishing and individualization for nearly every esthetics need

Universal Stain & Glaze

Celtra Ceram

Compatible customization options

Framework materials[1]

Compatible customization options[1]

Celtra Press
Zirconia-reinforced lithium silicate (ZLS)

Celtra Ceram (all-ceramic veneering porcelain)
Universal Stain & Glaze

CEREC Tessera
Advanced lithium disilicate (ALD)

Celtra Ceram (all-ceramic veneering porcelain)
Universal Stain & Glaze

Celtra Duo
Zirconia-reinforced lithium silicate (ZLS)

Universal Stain & Glaze[2]

Cercon xt ML
Extra translucent multilayer zirconia

Celtra Ceram (all-ceramic veneering porcelain)
Universal Stain & Glaze

Cercon ht ML
High translucent multilayer zirconia

Celtra Ceram (all-ceramic veneering porcelain)
Universal Stain & Glaze

1. For detailed information, please refer to the respective Instructions for Use.   2. Celtra Duo Correction Porcelain can be used for small corrections.

Atlantis: A customized base for natural esthetics

One size does not fit all. With **Atlantis® CustomBase** and **Atlantis BridgeBase**, your screw-retained restorations can be uniquely designed for each patient. Combine with Cercon Multilayer to build your restoration on a strong foundation for predictable outcomes.

With **Atlantis Core File** you can work completely digital. You can start designing in your preferred software immediately, without waiting for the physical Atlantis solution to arrive.

Atlantis CustomBase

The first true patient-specific, two-piece, screw-retained, single-tooth solution. Safe, accurate and convenient. Compatible with your choice of implant systems.

- **For extraoral cementation**

  Avoids potential complications caused by excess cement.

- **Flexible choice of abutment material**

  Titanium or gold-shaded titanium.

- **Customized emergence profile**

  Supports optimal function and esthetic outcomes.

Learn more >

Patient-specific design of core height for optimized retention and support.

Placement of material junction of abutment and crown, considering biological principles.

30° optimal positioning of the screw access channel for improved esthetics, function and installation procedures.
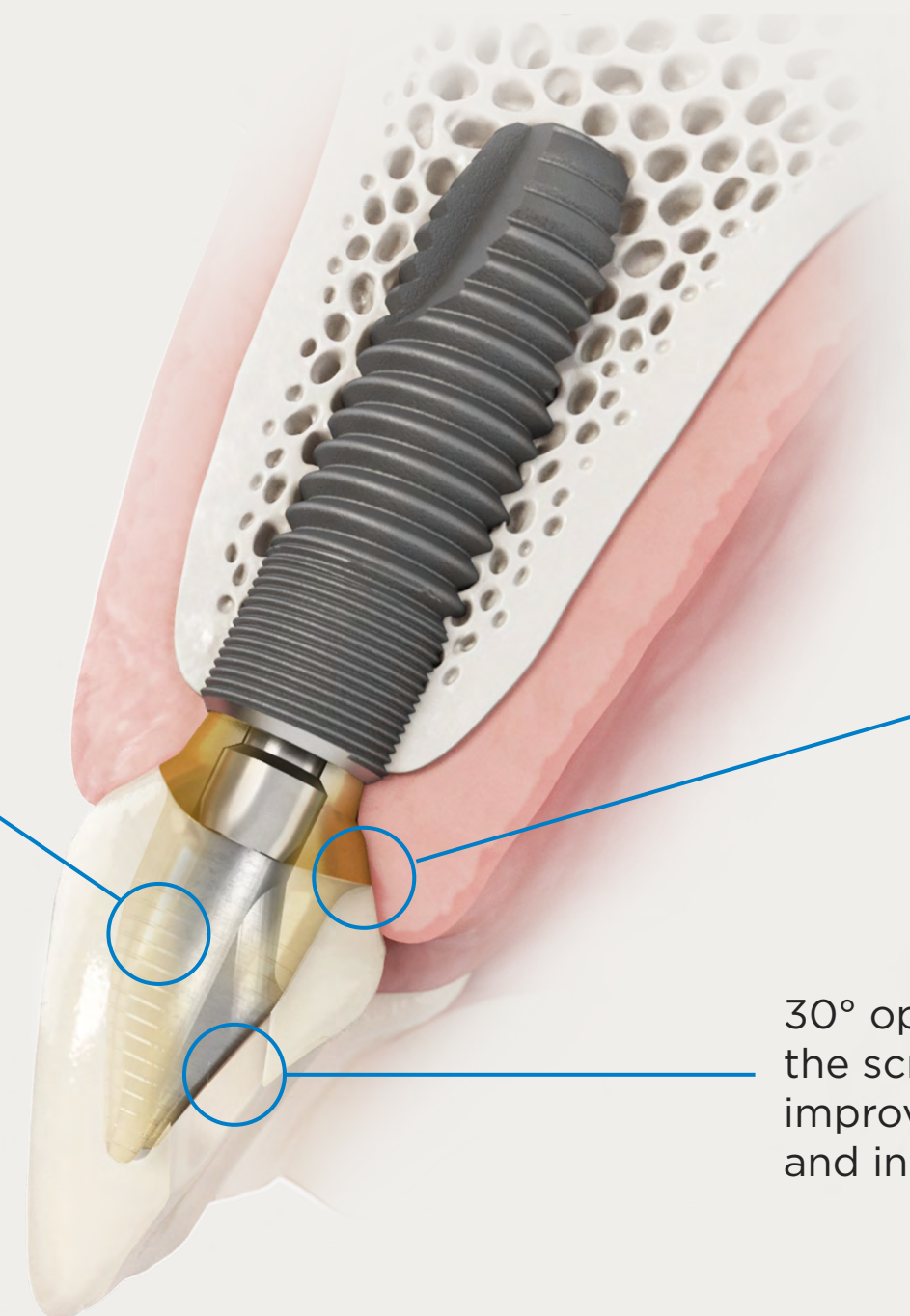
Atlantis BridgeBase

Atlantis: A customized base for natural esthetics

One size does not fit all. With **Atlantis® CustomBase** and **Atlantis BridgeBase**, your screw-retained restorations can be uniquely designed for each patient. Combine with Cercon Multilayer to build your restoration on a strong foundation for predictable outcomes.

With **Atlantis Core File** you can work completely digital. You can start designing in your preferred software immediately, without waiting for the physical Atlantis solution to arrive.

Atlantis CustomBase
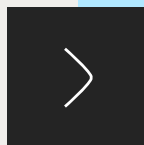
Atlantis BridgeBase

All the benefits of the patient-specific **CustomBase Solution** available for multiple unit cases.

Atlantis BridgeBase provides a splinted framework for digital restorations.

- Available in titanium

- Surface with no undercuts

- Angulated screw access

- Final restoration is screw retained

Learn more >

Tapered design with cement shoulders.

Optimal positioning of the screw access channel up to 30°.

Splinted framework with proven passive fit.
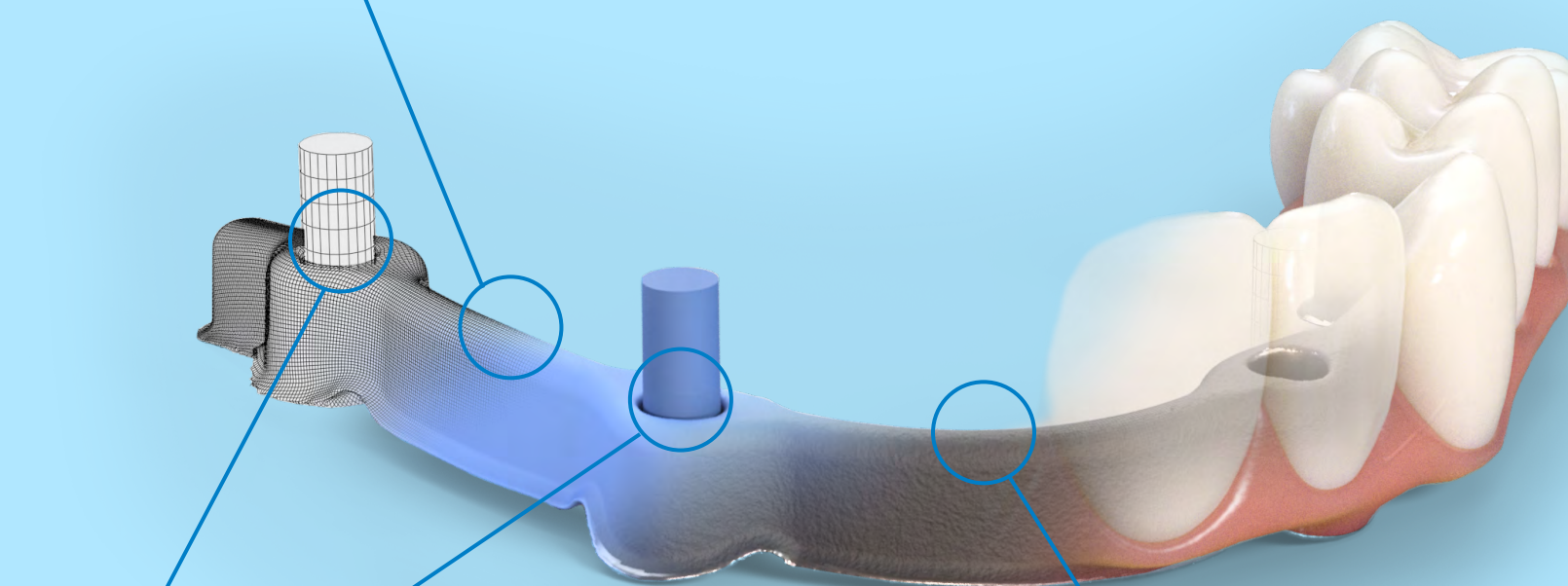
DS Signature Workflows™: Simpler procedures. Better care. Happier patients

Digital Implant Dentistry with Dentsply Sirona is here and so is a simpler, better approach to every implant treatment. **DS Signature Workflows** showcase how to use our **Cercon Multilayer** and **Atlantis** solutions together to achieve long-lasting results in fewer steps and with less complexity.

DS Signature Workflows

Promote better care and give your patients the smiles they want, easier and quicker than ever.

Comprised of one ecosystem for products and services for better care. Each workflow is built around your procedures — from scan to crown, bridge or restoration.

Designed for exceptional diagnostic and surgical support to optimize accuracy, efficiency, esthetics and longevity. Offer safe, convenient and individualized treatments for single-tooth, partial and full-arch cases, with fewer visits and shorter chair time.

Discover DS Signature Workflows >
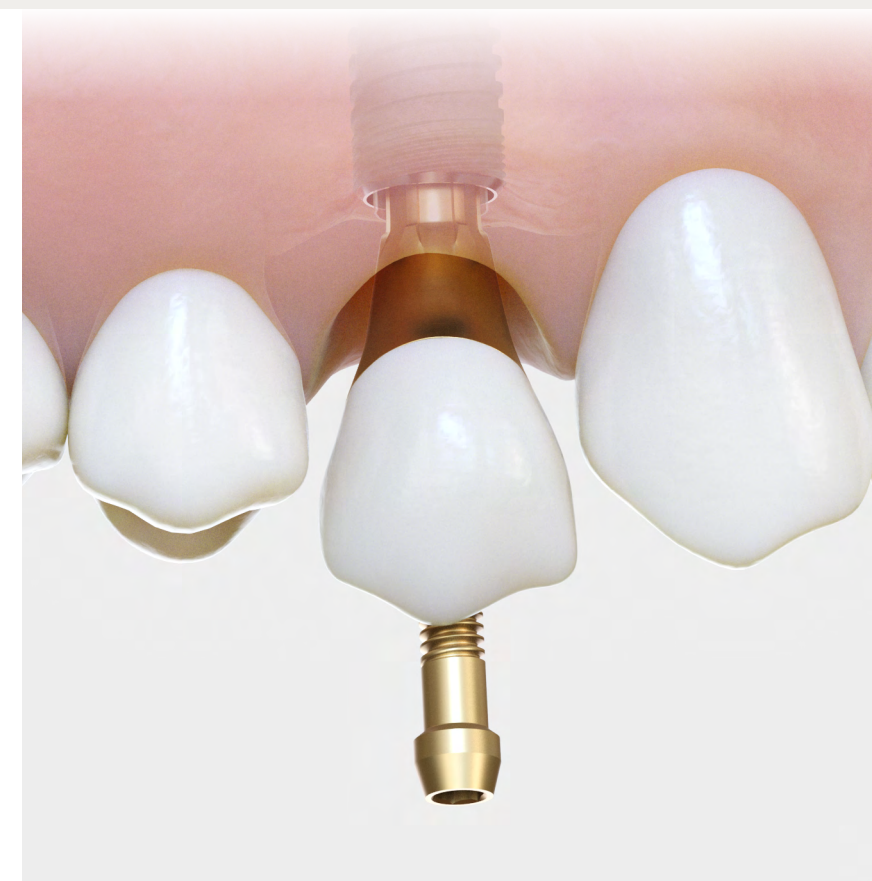
Single-Tooth DS Signature Workflow

Helps overcome:

- Low patient acceptance
- Treatment complexity
- Lack of predictability
- Profitability issues
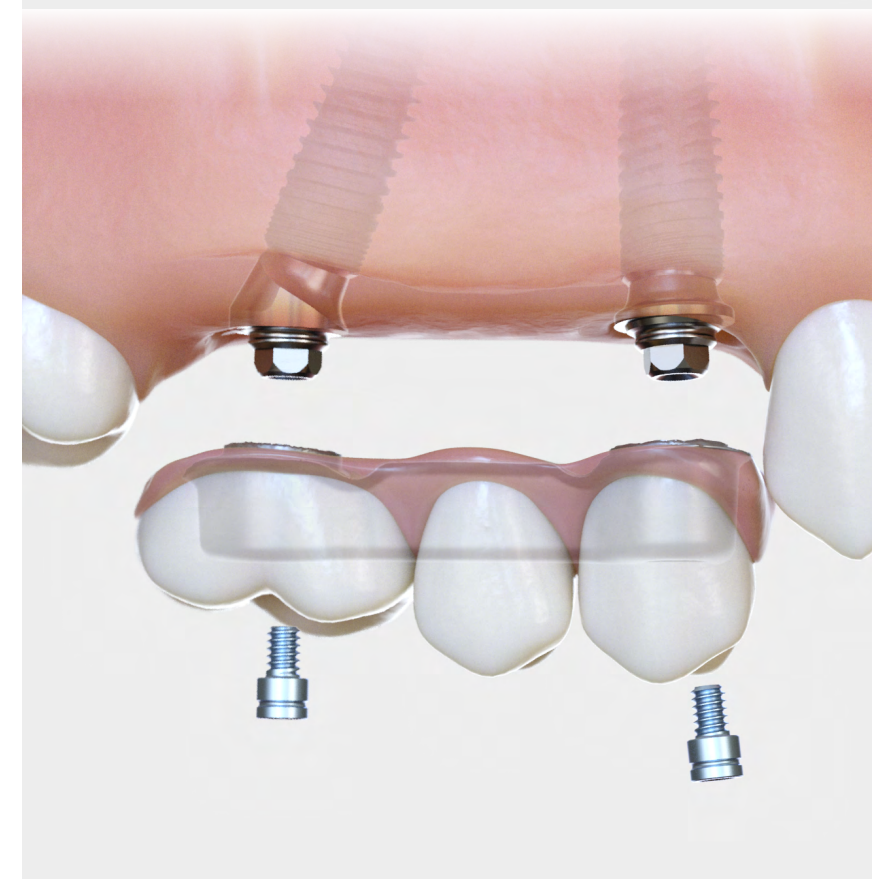
Learn more >

Partial DS Signature Workflow

Helps overcome:

- Increased complexity
- Lack of predictability
- Esthetic issues
- Profitability issues
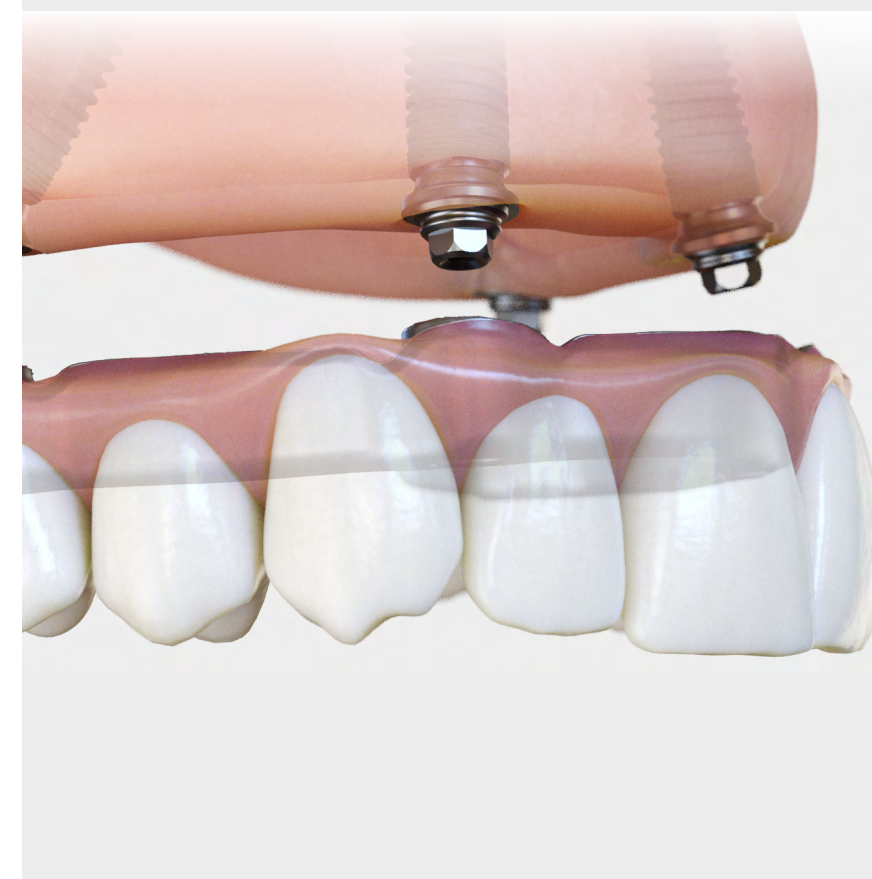
Learn more >

Full-Arch DS Signature Workflow

Helps overcome:

- Low patient inflow and satisfaction
- Procedural difficulties
- Passive fit

Learn more >

Making digital teamwork seamless

The success of a crown or bridge placement is determined by every step of the workflow, from the impression to the cementation. That means the collaboration between dentist and dental technician needs to be seamless.

At Dentsply Sirona, we live by the motto **"United for better dentistry."** That's why we've pioneered digital solutions that overcome the analog hurdles and break the silos between practice and lab, making it easier for everyone to work together as one digital team.

Combine Cercon Multilayer with our other available digital solutions for:
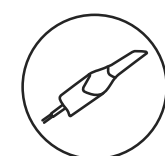
Accurate scan data through our patented, high-resolution scan technology. >

Easy and seamless file transfers between practice and lab. >

A streamlined workflow to create reproducible, reliable and robust restorations. >

Deliver accuracy from the start with Primescan

Every outstanding restoration starts with an accurate impression. The Primescan intraoral scanner ensures high fitting accuracy for your final restorations. With the innovative Smart Pixel Sensor, Primescan creates 3D models in real colors at an unsurpassed resolution.

Provide an excellent treatment experience as a digital team.

Learn more   >

Benefits for dental technicians

Deliver great treatment results
Set your restorations up for success with the great scan quality of our most accurate scanner.

Collaborate more efficiently
Benefit from the seamless interplay between Primescan and DS Core for efficient collaboration and great treatment outcomes.

Digitize your workflows more easily
Primescan makes it easy for dentists to adopt digital impressions — and easier for you to digitize your practice-to-lab collaboration.

Benefits for dentists

Increase case acceptance
Offer a better patient experience to increase treatment acceptance and thus, profitability.

Enhance your practice image
Stay competitive in the market by setting apart your practice.

"My case acceptance has gone up tremendously and anxiety is not an issue anymore. Patients can see what I see. When I show them where the crack is, where the missing filling is, that builds that trust factor much easier, much better."

Dr. Isaa Bina, USA[1]

Benefits for patients

Enhance patient experience
Provide your patients with a fast and comfortable treatment experience.

Educate your patients
Share information with your patients to help them decide on the treatment possibilities.

1. The physicians and technicians may have been compensated for the use of their experience.

Setting new standards for practice-lab-collaboration

Spending more time searching for the right order, file or message than working on patient appliances? Dedicating too much staff time to checking and managing several different portals for new orders all day? Receiving an order via email, the shade color via messenger and discussing the deadline via telephone? Gone are these days with DS Core.[1]

DS Core is an open, interconnected, digital cloud-based platform created to support you throughout the entire lab workflow, from first contact with a practice partner to delivering the finished appliance.

Open to scan data from every intraoral scanner and to all design software
Use DS Core to work with all your digital practices.

All digital customer interactions in one place
One overview of all orders, files and messages.

No registration cost for the lab
Simply sign up and start working with your practices.

Learn more >   < Return to workflow   < Return to digital teamwork

1. DS Core is not a medical device software. It is not intended to diagnose, treat, cure or prevent any disease or health condition. Use only for information, education or sharing purposes. Service is subject to country availability. Please contact your local DS representative for more details.
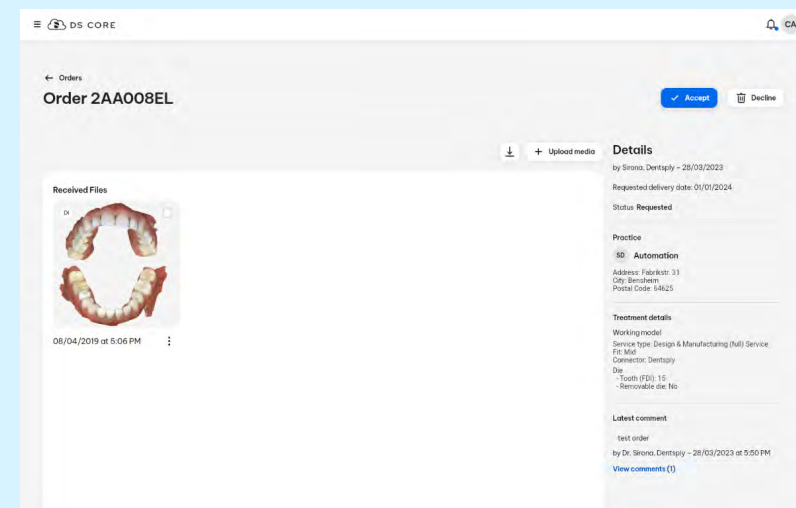
DS CORE

Grow your business with DS Core

Offer your services to all customers registered on the platform. Create your lab profile within a few minutes at no registration cost, expand your customer base and start receiving new orders.

Easy, direct collaboration and communication

One channel to share messages and all kinds of files (images, x-rays, reports, etc.) in a HIPAA- and GDPR-compliant way. Streamline your communication with your customers and have all information at a glance.
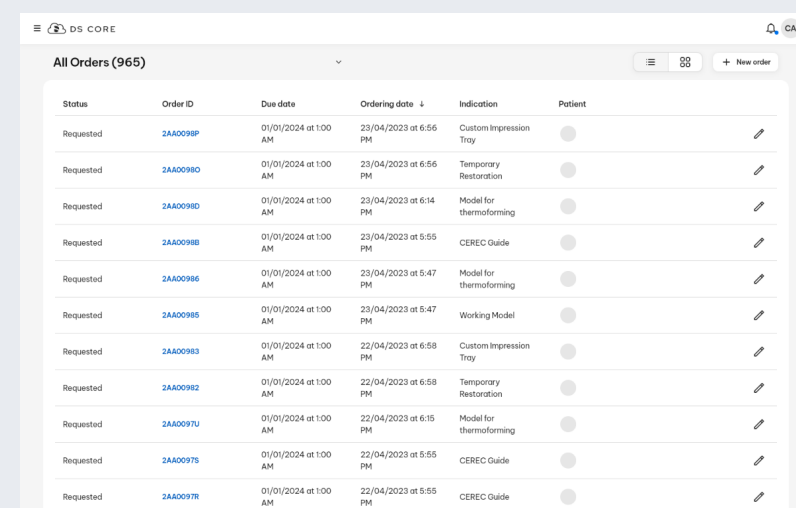
Always on top of digital dentistry

No more updates, upgrades, software licenses or incompatibilities – with the cloud-based platform DS Core, you always have the latest version after logging in. New features and applications are immediately available for you.

Giving patients back their smile

Choose Dentsply Sirona as your partner for restorations to achieve:

Reproducible, reliable and robust results

Cercon Multilayer combines strength with lifelike esthetics to provide you with confidence in every restoration — and the patient a smile they can be proud of. Supported by over 20 years of zirconia experience.

Greater efficiency in the lab

Combine Cercon Multilayer with our DS Solutions for a seamless workflow that can help you deliver long-term safety and success in fewer steps and with less complexity.

Seamless collaborations between you and dentists

DS Core is our integrated cloud storage and file sharing solution that makes it easier than ever for you to collaborate with dentists.

Set a high standard for your restorations — the **zirconia multilayer** *standard.*

Technical information

Class of material	Cercon ht ML	Cercon xt ML	Cercon ht	Cercon xt	Cercon base
Flexural strength	Gradient blank from 3Y-TZP in the dentin up to 5Y-TZP in the incisal area	5Y-TZP	3Y-TZP	5Y-TZP	3Y -TZP
Translucency[1]					
CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)					
Indications for use					
Preferred applications					
Sintering temperature					
Adapter ring					
True Color Technology					
Shades					
Staining and overglaze					
Veneering ceramic					
Cementation					

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> **Flexural strength**

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML	**Cercon xt ML**	**Cercon ht**	**Cercon xt**	**Cercon base**
750–1,200 MPa	750 MPa	1,200 MPa	750 MPa	1,200 MPa

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

- > Class of material
- > Flexural strength
- > **Translucency[1]**
- > CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)
- > Indications for use
- > Preferred applications
- > Sintering temperature
- > Adapter ring
- > True Color Technology
- > Shades
- > Staining and overglaze
- > Veneering ceramic
- > Cementation

	Cercon ht ML	Cercon xt ML	Cercon ht	Cercon xt	Cercon base
Translucency	41–49%	49%	41%	49%	33%

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> **CTE (coefficient of thermal expansion, K^{-1} · 10^{-6})**

> Indications for use

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML

10.5 µm/m·K
(25–500°C)

Cercon xt ML

10.1 µm/m·K
(25–500°C)

Cercon ht

10.5 µm/m·K
(25–500°C)

Cercon xt

10.1 µm/m·K
(25–500°C)

Cercon base

10.5 µm/m·K
(25–500°C)

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, K^{-1} · 10^{-6})

> **Indications for use**

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML

Indications:

Cercon ht ML is indicated in the anterior and posterior segments for:

• Crowns

• Telescopic primary crowns

• Multi-unit bridges (with no more than 2 pontics between abutment crowns; with no more than 6 units[2])

• Two-piece abutments[3]

Cercon ht ML can be used as a substructure (framework) which is then veneered with a dental veneering ceramic or can be used for full-contour application (without veneering) as well. In the case of telescopic primary crowns, the substructure is not veneered.

Cercon xt ML

Indications:

Cercon xt ML is indicated for all ceramic restorations for anterior and posterior locations:

• Crowns

• 3-unit bridges with 1 pontic up to the 2nd pre-molar

Cercon ht

Indications:

Cercon ht is indicated in the anterior and posterior segments for:

• Crowns

• Telescopic primary crowns

• Multi-unit bridges (with no more than two pontics between abutment crowns; with no more than 6 units[2])

• Two-piece abutments[3]

Cercon ht can be used as a substructure (framework) which is then veneered with a dental veneering ceramic or can be used for full-contour application (without veneering) as well. In the case of telescopic primary crowns, the substructure is not veneered.

Cercon xt

Indications:

Cercon xt is indicated for all-ceramic restorations for anterior and posterior locations:

• Crowns

• 3-unit bridges with 1 ponti cup to the 2nd pre-molar

Cercon base

Cercon base is indicated for crowns, multi-unit bridges and inlay bridges. Applications include both anterior and posterior regions.

---

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> **Preferred applications**

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML

Used for multi-unit bridges in anterior and posterior regions, mostly stained.
Also used for larger esthetic cases in the anterior region.

Cercon xt ML

Perfect for the anterior region, just glazed.

No staining and veneering necessary.

Cercon ht

Used for multi-unit bridges in anterior and posterior regions, mostly veneered, excellent as cut back in the anterior region.

Cercon xt

Perfect for the anterior region.

Just stained and glazed.

Cercon base

Used to hide dark stumps or titanium abutments, mostly veneered.

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> **Sintering temperature**

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML

1,500°C

Same firing program as for all Cercon Zirconia products.

Superspeed sintering in 90 minutes for up to 4-unit bridges.

Cercon xt ML

1,500°C

Same firing program as for all Cercon Zirconia products.

Superspeed sintering in 90 minutes for up to 3-unit bridges.

Cercon ht

1,500°C

Same firing program as for all Cercon Zirconia products.

Superspeed sintering in 90 minutes for up to 4-unit bridges.

Cercon xt

1,500°C

Same firing program as for all Cercon Zirconia products.

Superspeed sintering in 90 minutes for up to 3-unit bridges.

Cercon base

1,500°C

Same firing program as for all Cercon Zirconia products.

Superspeed sintering in 90 minutes for up to 4-unit bridges.

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> Sintering temperature

> **Adapter ring**

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML	**Cercon xt ML**	**Cercon ht**	**Cercon xt**	**Cercon base**
Blue	Green	Blue	Green	Light blue

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

	Cercon ht ML	Cercon xt ML	Cercon ht	Cercon xt	Cercon base
> Class of material					
> Flexural strength					
> Translucency[1]					
> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)					
> Indications for use					
> Preferred applications					
> Sintering temperature					
> Adapter ring					
> **True Color Technology**	Yes	Yes	Yes	Yes	No
> Shades					
> Staining and overglaze					
> Veneering ceramic					
> Cementation					

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> **Shades**

> Staining and overglaze

> Veneering ceramic

> Cementation

Cercon ht ML

Ø 98, all 16 VITA[4] shades + BL2

Cercon xt ML

Ø 98, all 16 VITA[4] shades + BL2

Cercon ht

Ø 98, Ø 105, all 16 VITA[4] shades + BL2

Cercon xt

Ø 98, Ø 105, all 16 VITA[4] shades + BL2

Cercon base

Ø 98, white, medium, colored

Ø 105, white, light medium, colored

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> **Staining and overglaze**

> Veneering ceramic

> Cementation

	Cercon ht ML	**Cercon xt ML**	**Cercon ht**	**Cercon xt**	**Cercon base**
	DS Universal Stain & Glaze	DS Universal Stain & Glaze	DS Universal Stain & Glaze	DS Universal Stain & Glaze	DS Universal Stain & Glaze

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> **Veneering ceramic**

> Cementation

Cercon ht ML

Celtra Ceram,
Cercon Ceram Kiss

Cercon xt ML

Celtra Ceram,
Cercon Ceram Kiss

Cercon ht

Celtra Ceram,
Cercon Ceram Kiss

Cercon xt

Celtra Ceram,
Cercon Ceram Kiss

Cercon base

Celtra Ceram,
Cercon Ceram Kiss

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

Technical information

> Class of material

> Flexural strength

> Translucency[1]

> CTE (coefficient of thermal expansion, $K^{-1} \cdot 10^{-6}$)

> Indications for use

> Preferred applications

> Sintering temperature

> Adapter ring

> True Color Technology

> Shades

> Staining and overglaze

> Veneering ceramic

> **Cementation**

	Cercon ht ML	Cercon xt ML	Cercon ht	Cercon xt	Cercon base

Cercon ht ML

See indicated cement of Calibra family

Cercon xt ML

See indicated cement of Calibra family

Cercon ht

See indicated cement of Calibra family

Cercon xt

See indicated cement of Calibra family

Cercon base
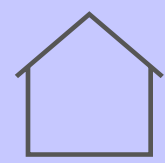
See indicated cement of Calibra family

1. Translucency measured on a white disc with haze meter.
2. For Canada only (for the products mentioned above, please observe the corresponding instructions for use).
3. Not valid for USA.
4. VITA is a registered brand of VITA Zahnfabrik.

DeguDent GmbH

Rodenbacher Chaussee 4,
63457 Hanau-Wolfgang,
Germany

dentsplysirona.com

SIRONA Dental Systems GmbH

Fabrikstraße 31,
64625 Bensheim,
Germany

EN-2023-05

Subject to technical changes and errors in the text.
Registered trademarks, trade names and logos are used. Even if these are not identified as such in the respective places, the corresponding legal provisions apply.
Unless otherwise stated, all comparative statements in this document refer to a comparison of Dentsply Sirona products with each other.

THE DENTAL
SOLUTIONS
COMPANY™

Dentsply
Sirona