CEREC and inLab

CAD/CAM Materials

dentsplysirona.com
Nothing is as valuable as practical experience

CEREC and inLab milling units by Dentsply Sirona facilitate the economic and precise production of clinically sound and esthetically high-end prosthetics for the dental practice and laboratory. Users benefit from an ever-increasing variety of materials.

All-ceramic restorations fabricated on Dentsply Sirona’s CAD/CAM systems have been proven millions of times over in the past 30 years. Non-precious metal restorations also enjoy growing popularity all over the world. In the development of high-performance materials, Dentsply Sirona places great emphasis on excellent workmanship and outstanding precision. All CAD/CAM materials are ideally suited for CEREC and inLab production components.
Zirconium oxide

**inCoris ZI**

Zirconium oxide sinter ceramic for frameworks

*inCoris ZI* in a partially sintered state is used to produce crown copings and bridge frameworks with up to two pontics in the anterior and posterior regions. After sintering they will acquire the desired properties: precise dimensions, density, strength, and shade.

- High-performance ceramics for large-span and delicately designed frameworks
- Outstanding fracture resistance and long service life
- Excellent processing quality and biocompatibility
- Approved for speed sintering and superspeed sintering with *inFire HTC* speed

**inCoris TZI**

Translucent zirconium oxide sinter ceramic

*inCoris TZI* is used to produce fully contoured crowns and pontics in the anterior and posterior regions. After sintering they will acquire the desired properties: precise dimensions, density, strength, and shade.

*inCoris TZI* requires no veneering, making it an inexpensive and more esthetic alternative to non-translucency, *inCoris TZI* is used to produce fully contoured crowns and bridge frameworks with up to two pontics in the anterior and posterior regions. After sintering they will acquire the desired properties: precise dimensions, density, strength, and shade.

- Ideal for critical situations with limited space between restoration and antagonists
- No chipping
- Approved for speed sintering and superspeed sintering with *inFire HTC* speed
- *inCoris TZI Coloring Liquid* for custom staining of restorations
- After applying coloring liquid and sintering, the restoration can be individualized with conventional stains and glazes.
Zirconium oxide

inCoris TZI C

Pre-shaded translucent zirconium oxide sinter ceramic

Using pre-shaded ceramic blocks and discs saves time because the restorations no longer need to be dipped in coloring liquid and dried.

• Accurate colors using pre-shaded blocks and discs
• For critical situations with limited space between restoration and antagonists
• No chipping
• Speed sintering with inFire HTC speed and conventional sintered in all other sintering furnaces
• Can be finalized with customary stains and glazes

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Indications</td>
<td>Full anatomical crowns and bridges, telescopes, bars, attachments</td>
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</tbody>
</table>

inCoris ZI meso

For customized zirconium oxide abutments

The proven CAD/CAM production of individual zirconium oxide abutments offers you the opportunity to meet patient demands for natural tooth-colored implant-supported ceramic restorations.

• Zirconia blocks with prefabricated screw channel
• Two sizes and two shades
• After sintering, the mesostructure is adhesively connected to the titanium base (TiBase)
• Time savings compared to central production

<table>
<thead>
<tr>
<th>Fabrication</th>
<th>CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package, inLab MC XL</th>
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<tbody>
<tr>
<td>Indications</td>
<td>Implant mesostructures and reduced crowns</td>
</tr>
</tbody>
</table>
Zirconium oxide

CEREC Zirconia

Full-contour zirconium oxide for CEREC

Zirconia is a sought-after high-performance material that is linked with an optimally adapted workflow by CEREC. CEREC Zirconia is available in 2 block sizes. These translucent blocks are pre-colored in VITA Classical shades, then processed in the partially sintered state, and densely sintered after milling.

- Zincic oxide restoration in a single appointment with CEREC
- Minimal invasive preparation
- Precise edges and highly detailed occlusal surfaces

**CEREC Zirconia**

**Fabrication with**

- CEREC MC, CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package

**Indications**

- Fully contoured crowns and bridges

**CEREC Zirconia**

**Fabrication with**

- CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package

**Indications**

- Screwed retained crown and reduced crown

CEREC Zirconia meso*

Customized zirconium oxide abutments in a single appointment

CEREC Zirconia meso blocks facilitate the production of directly screw-retained custom abutment crowns on Sirona TiBases. These pre-colored blocks contain the same translucency and be easily adapted for sintering with the CEREC SpeedFire along with the inFire HTC speed.

**CEREC Zirconia meso**

**Fabrication with**

- CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package, inLab MC XL

**Indications**

- Screwed retained crown and reduced crown

CEREC SpeedFire

CEREC Speedfire is the smallest and fastest sintering furnace on the market, typically sintering a crown in 10 to 15 minutes. The advantages of the full-contour zirconium oxide can therefore also be harnessed for chairside applications. If necessary, an additional glaze (CEREC SpeedGlaze) can be applied that is fired in the CEREC SpeedFire within minutes.

**CEREC SpeedFire**

**Fabrication with**

- CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package, inLab MC XL

**Indications**

- Screwed retained crowns on Sirona TiBases

CEREC SpeedPaste

CEREC SpeedPaste is a ceramic firing paste used to keep the restoration in place on the firing tray. It has been developed for the use in the CEREC SpeedFire by Dentsply Sirona; but can also be used for other ceramic materials and in other furnaces.

**CEREC SpeedPaste**

**Fabrication with**

- CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package, inLab MC XL

**Indications**

- Screwed retained crowns on Sirona TiBases

CEREC SpeedGlaze

CEREC SpeedGlaze is a spray for glazing full-contour ceramic restorations. Spraying applies a glass powder layer to the surface that is melted in the subsequent firing cycle. The spray has been optimized for the CEREC SpeedFire workflow, but can also be used for all other restorations made from Dentsply Sirona ceramic blocks with the CEREC or inLab system.

**CEREC SpeedGlaze**

**Fabrication with**

- CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package, inLab MC XL

**Indications**

- Screwed retained crowns on Sirona TiBases

CEREC Zirconia Shade Guide

The CEREC Zirconia Shade Guide provides optimum support during precision shade matching. The shade tabs were prepared from original CEREC Zirconia material, sintered in the CEREC SpeedFire and glazed with CEREC SpeedGlaze.

**CEREC Zirconia Shade Guide**

**Fabrication with**

- CEREC MC X, CEREC MC XL, CEREC MC XL Premium Package, inLab MC XL

**Indications**

- Screwed retained crown and reduced crown

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* Available from April 2017
Feldspar ceramics

CEREC Blocs C
Enamel-like for inlays, onlays, veneers, and full crowns
This material guarantees excellent shade matching for restorations with the remaining tooth structure with a clinical survival rate of 90% after 10 years.*
- Abrasion properties similar to natural enamel
- High translucency with chameleon effect
- Very good polishability (making it the ideal and fastest solution for chairside applications)
- Classical shades A1C to A3-5C + Bleach 2C

CEREC Blocs C PC
Polychromatic for natural-looking anterior and posterior crowns
Different layers based on different degrees of color saturation (chroma) allow an optimal adjustment to the characteristic color gradients of restorations in relation to translucency and intensity.
- Natural enamel, dentin, and cervical layering
- Virtual block orientation in CEREC and inLab software
- Interesting alternative to veneered crowns
- Classical shades A1C to A3-5C

CEREC Blocs C In
Anterior restorations
The highly chromatic internal core is modeled on the morphology of the dentin of natural teeth and is surrounded by a more translucent ceramic layer. The CEREC and inLab software automatically positions the restorative design in the block so that dentin and enamel shades are precisely matched.
- Covers all mandibular and maxillary anterior teeth with only one dentine core shape
- Customization is possible with staining materials

CEREC Blocs C In
Fabrication with CEREC 3, CEREC MC, CEREC MC X, CEREC MC XL, CEREC MC, XL Premium Package, inLab, inLab MC XL, inLab MC X5
Indications Optimized for inlays, onlays, veneers, fully contoured crowns are possible

CEREC Blocs C In
Fabrication with CEREC 3, CEREC MC, CEREC MC X, CEREC MC XL, CEREC MC, XL Premium Package, inLab, inLab MC XL, inLab MC X5
Indications Optimized for posterior crowns; inlays, onlays, veneers; anterior crowns are possible

CEREC Blocs Shade Guide C
The Shade Guide for CEREC Blocs C and CEREC Blocs C PC contains 11 different color sample plates made of original feldspar ceramics in VITA* classical colors A1-D3 and Bleach2. The 1,5 mm color sample plates corresponds approximately to the thickness of a restoration — for a quick and reliable shade taking.

* VITA is a trademark of VITA Zahnfabrik
Sintering metal

inCoris CC and inCoris CCB

For NPM restorations

The majority of all restorations fabricated around the world are still made of non-precious metal (NPM). inCoris CC (block) and inCoris CCB (discs) are sintering metals based on a CoCr alloy that, like the well-known zirconia process, is first milled while oversized and then compacted by dense sintering in a furnace in an argon gas atmosphere (inFire HTC speed with Superspeed + Metal).

• Easy, clean and fast
• Homogeneous material quality with uniform shrinkage and without deformations, inclusions or similar

<table>
<thead>
<tr>
<th>Fabrication with</th>
<th>Blocks: CEREC MC XL Premium Package, inLab, inLab MC XL Discs, inLab MC XS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indications</td>
<td>Fully contoured crowns and bridges, copings and bridge frameworks, telescope crowns bars, and attachments</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>inCoris CC</th>
<th>REF.</th>
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<tbody>
<tr>
<td>inCoris CC mono 16×14×19 (10 pcs.)</td>
<td>63 39 555</td>
</tr>
<tr>
<td>inCoris CC med 40×15×19 (5 pcs.)</td>
<td>63 39 571</td>
</tr>
<tr>
<td>inCoris CC maxi S 65×17×40 (1 pc.)</td>
<td>63 39 597</td>
</tr>
<tr>
<td>inCoris CC maxi L 85×22×40 (1 pc.)</td>
<td>63 39 615</td>
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</table>

<table>
<thead>
<tr>
<th>inCoris CCB disc*</th>
<th>REF.</th>
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<tbody>
<tr>
<td>inCoris CCB disc, height 10</td>
<td>65 51 225</td>
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<tr>
<td>inCoris CCB disc, height 12</td>
<td>65 51 233</td>
</tr>
<tr>
<td>inCoris CCB disc, height 14</td>
<td>65 51 241</td>
</tr>
<tr>
<td>inCoris CCB disc, height 16</td>
<td>65 51 258</td>
</tr>
<tr>
<td>inCoris CCB disc, height 18</td>
<td>65 51 266</td>
</tr>
<tr>
<td>inCoris CCB disc, height 20</td>
<td>65 51 274</td>
</tr>
</tbody>
</table>

inFire HTC speed — the fastest sintering furnace

The high-temperature furnace is suitable for all sintering materials that have been validated for processing with the inLab production units. It is equipped with special speed sintering programs and also allows the sintering of non-precious metals—in a single chamber.

Turn on — Select program — Start sintering process

The inFire HTC speed is especially easy to operate: The choice is yours. In addition to the conventional long-term sintering process, crowns, copings, bridges and frameworks made of zirconia can be sintered using shortened speed processes as needed.

**Sintering ceramics and sintered metal — 2 in 1**

• Sintering zirconia and a pre-sintered non-precious metal in one furnace
• Metal sintering bell integrated into the package
• Pre-programmed for the sintering materials from Dentsply Sirona* and material partners

Time and cost savings

• Just 10 minutes for superspeed sintering of zirconia copings and crowns**
• Timer function for “overnight sintering”
• Simultaneous sintering of up to 60 units
• Simultaneous sintering inCoris ZI, inCoris TZI, inCoris TZI C, and CEREC Zirconia with the same program

High level of flexibility

• Speed and superspeed programs or conventional long-term sintering
• 90-minute speed sintering for single-tooth restorations and bridges**
• Free programming for long-term and speed sintering
• “Dry & Speed” speed sintering with pre-drying

* All discs in standard size, Ø 98.5 mm

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* For a validated program for Cercon, see the Cercon instructions for use
** Net sintering time for inCoris TZI and inCoris ZI
Polymers

CEREC Guide Bloc + inCoris PMMA guide
For the production of surgical guides

The basis is the integrated implant planning system by Dentsply Sirona that works by superimposing optical impression data and a suggested prosthetic design on 3D X-ray data. The implant planning file is used for the construction of the drilling template in the CEREC or inLab CAD software for defining drilling direction and depth. Subsequently, the restoration is produced in-house using the CEREC or inLab production unit.

- Convenient in-house production
- Individual characterization and milling from a bloc or disc
- Compatible with CEREC Guide Drill Keys by Dentsply Sirona CAD/CAM

inCoris Model
For the production of dental models

A physical working model based on a digital impression can be fabricated either at a central production site or using an in-house milling unit. inCoris model blocks are made of polyurethane plastic and allow you to mill models.

- Ideal for models up to one jaw segment jaws and for single-tooth restorations in the posterior region
- More robust and abrasion-resistant than stone models
- Pre-segmented: Each prepared die is a separate segment

### CEREC Guide Bloc + inCoris PMMA guide

<table>
<thead>
<tr>
<th>Fabrication with</th>
<th>Indications</th>
<th>REF.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEREC MC X, CEREC MC XL Premium Package, inLab MC XL</td>
<td>Drilling templates with a single hole</td>
<td>64 66 564</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Fabrication with</th>
<th>Indications</th>
<th>REF.</th>
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<tbody>
<tr>
<td>inLab MC X5</td>
<td>Drilling templates with one or more holes</td>
<td>65 51 324</td>
</tr>
</tbody>
</table>

### inCoris Model

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<tr>
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<th>Indications</th>
<th>REF.</th>
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<tbody>
<tr>
<td>CEREC MC XL Premium Package, inLab MC XL</td>
<td>Models</td>
<td>64 99 361</td>
</tr>
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<tr>
<th>Fabrication with</th>
<th>Indications</th>
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<tbody>
<tr>
<td>inLab MC X5</td>
<td>Models</td>
<td>64 99 379</td>
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### Additional inCoris Model accessories

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<td>62 57 203</td>
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<td>62 99 429</td>
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<td>62 99 437</td>
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<td>62 99 445</td>
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*All discs in standard size, Ø 98.5 mm*
Implant-supported restorations

Sirona TiBase

For custom abutments

TiBase is the titanium base from Dentsply Sirona CAD/CAM. It is available for different implant systems and diameters and is provided in a set complete with an abutment screw. It facilitates an economical workflow for the in-house production of custom abutments:

- Accurate digital acquisition of the implant position by the scanbody: extraorally on the model or intraorally
- Abutment design using inLab or CEREC software
- Fabricating the mesoset (e.g., from inCorr Z) mesos or the abutment crowns from a meso block (e.g., from CEREC Zirconia meso)
- Adhesive connection of the TiBase with the sintered mesoset or abutment crown
- Additional abutment screws available separately

ScanPost

For convenient intraoral acquisition of implant data

Depending on the implant system, a matching Dentsply Sirona ScanPost (scan post and fixing screw) and the corresponding scanbody (gray for Omnicrom or white for Bluecam)* is available. For the final restoration, a TiBase with the corresponding name extension must be used.

### Scannability

<table>
<thead>
<tr>
<th>Connector</th>
<th>Scanbody for Omnicrom</th>
<th>Scanbody for Bluecam</th>
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<tbody>
<tr>
<td>S</td>
<td>REF. 64 31 311</td>
<td>REF. 64 31 295</td>
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<tr>
<td>L</td>
<td>REF. 64 31 329</td>
<td>REF. 64 31 303</td>
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inPost

For screw-retained bridges and bars on multi-unit abutments

The special scanbody is used exclusively for the precise scanning of multiple implants on a model with inEos X5 (inLab SW 15.0 or newer). Only multi-unit abutments by nt-trading (2-CONNECT) and Medentika® (MedentiBASE) for Bluecam)* is available. For the final restoration, a TiBase with the corresponding name extension must be used.

#### Dentsply Sirona Implants

<table>
<thead>
<tr>
<th>Manufacturer/Implant</th>
<th>TiBase(1)</th>
<th>Abutment Screw(2)</th>
<th>ScanPost(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td>X</td>
<td>Y</td>
<td>Z</td>
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Note: (1) 1x titanium base, 1x abutment screw | 2x abutment screws 3x ScanPost, 1x abutment screw
Other accessories

CEREC Optispray

**Precision at your fingertips**

In combination with the CEREC Bluecam intraoral camera, CEREC Optispray is needed in order to take an intraoral optical impression.

- Extremely user-friendly compared to conventional scanning powder
- Preparation at your fingertips – quick, easy, precise, and hygienic
- The thin, homogeneous coating enhances the work of the CEREC Bluecam and guarantees a high level of edge detail
- CEREC Optispray is soluble in water and easily removed with Sprayvit
- Practical can with spray nozzle for an even application

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<tr>
<th>Accessories</th>
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<tbody>
<tr>
<td>CEREC Optispray 200 ml</td>
<td>63 17 932</td>
</tr>
<tr>
<td>Can of 200 ml, including 3 special nozzles and 1 stabilization tube</td>
<td></td>
</tr>
<tr>
<td>CEREC Optispray 50 ml</td>
<td>61 44 179</td>
</tr>
<tr>
<td>Can of 50 ml, including 1 special nozzle and 1 stabilization tube</td>
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<tr>
<td>APOLLO Di SpeedSpray (145 ml)</td>
<td>64 14 572</td>
</tr>
</tbody>
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CEREC Stone BC

**A highlight in dental stone**

In combination with the inEos Blue scanner or the CEREC Bluecam, the scannable CEREC Stone BC superhard dental stone (class IV) ensures outstanding precision in model scanning.

- Developed exclusively for use with the CEREC Bluecam
- Optimized optical properties such as brightness and contrast
- Powder-free application

<table>
<thead>
<tr>
<th>CEREC Stone BC</th>
<th>REF.</th>
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<tbody>
<tr>
<td>CEREC Stone BC (1200 g)</td>
<td>62 37 501</td>
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<tr>
<td>CEREC Stone BC (100 g)</td>
<td>62 37 502</td>
</tr>
<tr>
<td>CEREC Stone BC Model</td>
<td></td>
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</tbody>
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