SIRONA CAD/CAM MATERIALS

Top quality geared to challenging applications.
The hallmark of responsible dentistry.

Dental professionals and patients are unanimous: metal restorations should be avoided if at all possible. By contrast, all-ceramic materials offer outstanding benefits. They are biocompatible, display enamel-like mechanical properties and allow you to conserve the natural tooth tissue. inLab and CEREC are the stepping stones to modern ceramic dentistry. Thanks to the new “inLab/CEREC CERTIFIED” seal of quality, you can tell at a glance which materials are tailored to your inLab or CEREC system. This ensures optimum results – for your patients, for your professional reputation and for the profitability of your dental practice.

inLab/CEREC CERTIFIED – the benefits in brief:
- High-performance materials that meet the highest standards in terms of machinability and precision
- Specific machining parameters for each of the many original materials
- Unlimited compatibility with the Sirona milling units
- Direct block selection in the inLab and CEREC 3D software
- Optimum material processing for high-quality restorations

ORIGINAL SIRONA MATERIALS – SYSTEMATIC EXPERTISE

You can’t beat practical experience.

All-ceramic restorations fabricated on Sirona’s CAD/CAM systems have been proven many millions of times. And we are continuously working to expand the spectrum of clinical indications, thus ensuring that more patients than ever before gain access to state-of-the-art aesthetic dentistry. In this context we have developed a range of high-performance materials that deliver excellent precision and are perfectly matched to Sirona’s innovative CAD/CAM software and milling machines.
infiniteDent* is currently available in the following countries: Germany, Austria, Switzerland, Belgium, Luxembourg, Netherlands, France, UK, USA.

Capitalize on new synergy effects:

- restoration.
- Capabilities and limitations of all metal restorations (e.g., 50% or more of volume for main alloys; 25% or more for non-precious-metal alloys (up to 10 units in ZrO2; up to 8 units in CoCr))
- registry first) and upload the data.
- The entire production process takes just three working days.
- The pre-shaded inCoris blocks save time and money. They deliver the optimum solution for frameworks ... ... and customized abutments.

**infinitDent**

The smart outsourcing service.

InfinitDent’s outstanding products are now available in a completely new package. This modular and effective technology is a breakthrough in precision and versatility.

The optimum solution for frameworks...

- restorations – e.g., finely designed copings, bridge frameworks and long-span frameworks – e.g. finely designed copings, bridge frameworks and long-span frameworks – (1M2C) (1M2C) (B1C) (B2C) (B3C) (B4C) (C1C) (C2C) (C3C) (C4C) (D1C) (D2C) (D3C) (D4C)
- chairside restorations.
- outstanding fracture strength and longevity
- High translucency fulfills stringent aesthetic requirements
- Excellent biocompatibility
- High-strength ceramic for high-precision frameworks
- Easy to machine thanks to a high sintered density and small particle size
- Ideal for telescope crowns due to its ivory colour
- Suitable for dry milling in a sintered state – e.g. for primary frameworks or at night
- Partially used blocks can be deployed at a later date
- Partly used blocks can be deployed at a later date
- ... and customized abutments.

**CEREC Blocks & CEREC Blocks PC**

True beauty comes from within.

The Sirona inCoris ZI and inCoris AL materials are the ideal solution for frameworks – e.g. finely designed copings, bridge frameworks and long-span frameworks – in combination with inLab 3D software.

The optimum solution for frameworks...

- Combining the best of both worlds: inCoris NP and inCoris ZI product range classification of block colours and shade labels inCoris ZI product range & CEREC Blocs/PC

**CEREC Blocks** & **CEREC Blocks PC**

True beauty comes from within.

- The CEREC Blocks series comprises a newly structured range of sintered metal and non-precious metal restorations. This enables you to achieve the right colour match without the need for an additional scan.
- The CEREC Blocks are sorted into three main categories:
- **CEREC Blocks PC** – polychromatic material for natural-looking full-arch restorations and partial frameworks
- **CEREC Blocks** – for various fillings (crown, veneers, restorations and esthetically dense crowns)
- **CEREC Blocks** – high-precision castings and long-span frameworks

The benefits for you:

- The CEREC Shade Guide contains 12 samples taken from original CEREC Blocs. Each sample is labelled with Sirona’s own inCoris NP product range.
- The CEREC Shade Guide contains 12 samples taken from original CEREC Blocs. Each sample is labelled with Sirona’s own inCoris NP product range.
- The benefits for you:
- Easy to machine thanks to a high sintered density and small particle size
- Ideal for telescope crowns due to its ivory colour
- Suitable for dry milling in a sintered state – e.g. for primary frameworks or at night
- Partially used blocks can be deployed at a later date
- Partly used blocks can be deployed at a later date
- ... and customized abutments.

**CEREC Blocks PC – product range & shade system**

- The CEREC Blocks PC series encompasses a family of structurally designed restorations in a variety of materials and restorations. It is the ideal material for tooth-conserving, aesthetic indications.
- The CEREC Blocks PC series encompasses a family of structurally designed restorations in a variety of materials and restorations. It is the ideal material for tooth-conserving, aesthetic indications.
- The CEREC Blocks PC series encompasses a family of structurally designed restorations in a variety of materials and restorations. It is the ideal material for tooth-conserving, aesthetic indications.
- The CEREC Blocks PC series encompasses a family of structurally designed restorations in a variety of materials and restorations. It is the ideal material for tooth-conserving, aesthetic indications.
- The CEREC Blocks PC series encompasses a family of structurally designed restorations in a variety of materials and restorations. It is the ideal material for tooth-conserving, aesthetic indications.
**THE NEW CEREC OPTISPAY – PRECISION AT THE TOUCH OF A BUTTON.**

In combination with the CEREC Bluecam, CEREC Optispay speeds up and simplifies the preparation process.

- Much easier to use than conventional scanning powder
- Preparation at the touch of a button – quick, simple, precise
- The ultrathin, homogeneous coating enhances the imaging performance of the CEREC Bluecam, especially with regard to the preparation margins
- CEREC Optispay is water-resistant and easy to remove with the SPRAYPASTE spray

**THE NEW CEREC STONE BC MODELLING MATERIAL.**

In combination with the CEREC Bluecam, CEREC Stone BC allows you to create high-precision scannable models.

- The CEREC Stone BC has been optimized in terms of its optical properties including Bar attachment
- The new CEREC Optispay – Brightness and contrast

**TECHNICAL DETAILS**

**Good to know.**

**Composition**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiO2</td>
<td>56–64%</td>
</tr>
<tr>
<td>Al2O3</td>
<td>20–23%</td>
</tr>
<tr>
<td>CaO</td>
<td>0.3–0.6%</td>
</tr>
<tr>
<td>K2O</td>
<td>6–8%</td>
</tr>
<tr>
<td>ZrO2 + Y2O3 + HfO2</td>
<td>&gt; 99%</td>
</tr>
</tbody>
</table>

**Brightness and contrast**

- CEREC Stone BC has been developed exclusively for use with CEREC Bluecam

**Preparation at the touch of a button – quick, simple, precise, hygienic**

- Much easier to use than conventional scanning powder

**Advantages of CEREC Stone BC**

- High scanning precision
- Excellent radiopacity
- High scanning speed
- Easy to polish
- Excellent abrasion resistance

**TECHNICAL DETAILS**

- Composition
- Bonding
- Thermal expansion coefficient
- Thermal conductivity

**Scientific Literature**

A mine of useful information.
SIRONA – UNIQUE WORLDWIDE SYSTEMS EXPERTISE IN DENTAL EQUIPMENT PRODUCTS
Sirona develops and manufactures a comprehensive range of dental equipment, including CAD/CAM Systems for dental practices (CEREC) and laboratories (inLab), Instruments and Hygiene Systems, Treatment Centers and Imaging Systems. Sirona manufactures high technology products that guarantee ease of use and a high return on investment – for the good of your practice and for the benefit of your patients. In this way, you can approach every challenge that you face, confident in the knowledge that: **Enjoy every day. With Sirona.**