

## CEREC 3D Crown upgrade – superb all-ceramic crowns.



## CEREC – select your own individual combination.

*The choice is yours.*

CEREC enables you to create ceramic restorations 'in-house' and in-line with your specific requirements. You can either choose a stand-alone configuration or opt for CEREC Chairline, which is integrated directly into the treatment chair:

Treatment centers
Handpieces
Hygiene systems
X-ray systems
CEREC

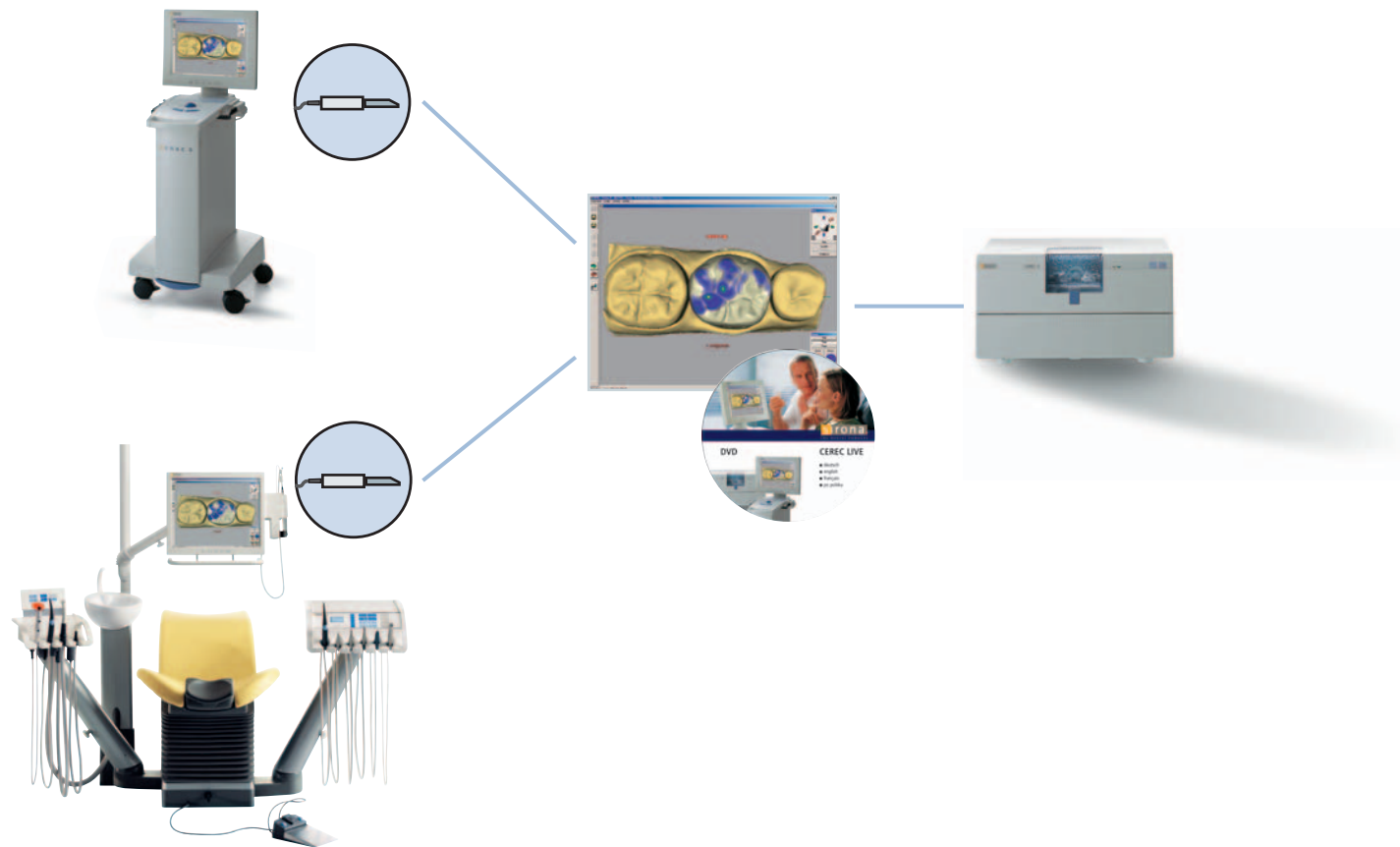
*The world's fastest crowns!*

With the help of this CEREC 3D Crown upgrade you can create crowns as easily and cost-effectively as you can inlays. The crowns are adapted automatically to the adjacent teeth and the antagonists using a biomimetic technique modelled on natural dentition processes. Designing the restoration is a simple process. You can count on receiving high quality results. Patient satisfaction guaranteed!



Clinical studies carried out at Zurich University confirm the outstanding longevity of CEREC crowns. More than 200 adhesively bonded CEREC crowns were re-examined after 7 years. The survival rate\* was 95% for molar crowns, and 97% for pre-molar crowns. This performance is easily on a par with conventional metal crowns.

\* according to Kaplan Meier



Sirona Dental Systems GmbH  
Fabrikstrasse 31 · D-64625 Bensheim  
E-mail: [contact@sirona.de](mailto:contact@sirona.de)  
[www.sirona.com](http://www.sirona.com)

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## CEREC Chairline/ CEREC 3D Crown upgrade



CEREC

## Crowning achievements in the area of ceramic restorations.



## CEREC Chairline – increase efficiency in your dental practice.



*CEREC now directly integrated into the treatment centre!*

CEREC is the ideal tool for creating inlays, onlays, veneers and (partial) crowns for the anterior and molar regions-effectively in a single treatment session. The new CEREC Chairline module is designed for direct integration into the M1+ and C2+ treatment centers. For even greater efficiency!

*Setting new standards!*

Following the incorporation of the CEREC Chairline module into the M1+ and C2+ treatment centres, Sirona has set new standards in systems integration. CEREC Chairline unites the cost-effectiveness and clinical benefits of the CEREC system with the proven convenience and ergonomics of Sirona treatment centers.

The Dental Company

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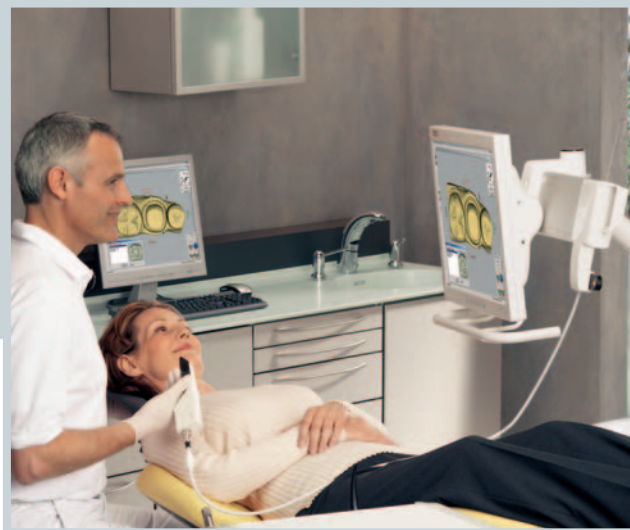
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## CEREC Chairline – boost the efficiency of your dental practice.

### Optimum workflow!

Manual tasks are reduced to an absolute minimum. This saves time and leaves you free to concentrate on the essentials. The CEREC Chairline unit creates extra space in the treatment room and underlines the innovative and sophisticated features of the Sirona M1+ und C2+ treatment centres.



### Superior ergonomics!

The monitor is ideally positioned in such a way that it can be viewed comfortably by the dentist and the patient. The CEREC 3D camera is always within easy reach. The optical impression is triggered via the treatment centre foot control.



### Easy-to-use software!

After the optical impression has been acquired you can design the restoration directly at the chairside with the help of the trackball. Alternatively, the design steps can be carried out on a PC monitor located behind the patient's head.

### Superior ergonomics!

The 19" monitor is mounted on a swivelling support arm attached to the light support column. This makes it easy to create the optical impression, regardless of whether the patient is in an upright or reclining position. The CEREC Chairline module and 3D measuring camera are mounted within easy reach next to the monitor.

### The CEREC Chairline components:

1. CEREC Chairline integration package for the M1+ and C2+ treatment centres comprising
  - SIVISION 3 with 19" monitor mounted on the support arm
  - Connection for SIROCAM 3
  - Mounting for the CEREC 3D measuring camera
  - Integrated foot control
2. CEREC Chairline module comprising
  - CEREC 3D measuring camera with image acquisition electronics
  - CEREC Chairline PC with preinstalled CEREC 3D Software

### CEREC Chairline – the benefits in brief:

- Optimum workflow
- Superior ergonomics
- Easy operation
- Sophisticated practice ambience
- Minimal space requirements

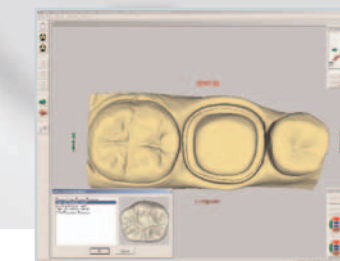
### CEREC 3D Crown upgrade – the benefits in brief:

- Quick and simple production of crowns
- Precise positioning of the proximal contacts
- Automatic computation of the occlusal surface
- Superior results due to extensive tooth database resources
- Reduced milling time (by up to 40%)
- Numerous time-saving improvements that benefit experienced CEREC users

## CEREC 3D Crown upgrade – for the world's fastest crowns.

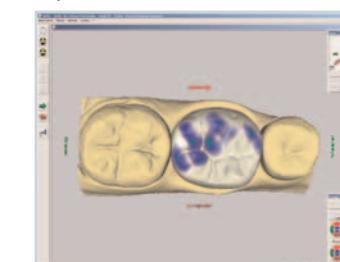
### Five easy steps.

With the assistance of the CEREC 3D Crown upgrade the design and fabrication of crowns is simplicity itself – in just a few minutes and in five easy steps. Above all, the new upgrade automatically generates the occlusal contact points with reference to the antagonists.



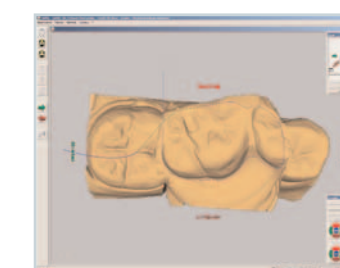
#### Step 4:

**Selection of the database crown!**  
You browse through the available tooth databases and choose the crown that is best suited to your requirements.



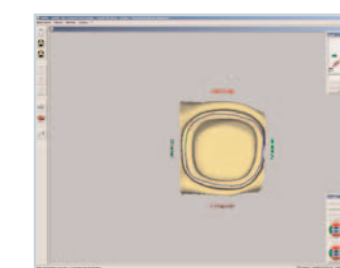
#### Step 5:

**Automatic computation of the occlusion!**  
Using a biomimetic technique (i.e. one based on natural dentition processes) the new CEREC 3D Crown software moves the occlusal surface of the database crown in all directions until the best possible fit has been achieved – with regard to the adjacent teeth as well as the antagonists. The CEREC software then adjusts each cusp individually in order to generate further contact points. Any premature contacts are removed using the virtual grinding function. You can either accept the restoration proposal "as given" or else carry out individual modifications using the CEREC 3D editing tools. The high-precision milling process takes only a few minutes.



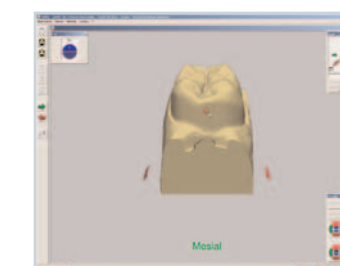
#### Step 1:

**Trim the antagonists!**  
CEREC software allows you to trim the bite registration on the monitor. This is fast, easy and precise.



#### Step 2:

**Mark the preparation margin!**  
You show the CEREC where the preparation margin is located and the system detects the margin automatically and precisely.



#### Step 3:

**Positioning the proximal contacts!**  
You have a clear idea of where the proximal contacts should be located? Then simply mark the spot with a double click and CEREC will automatically adapt the crown to your requirements.

### Time-saving features of the CEREC 3D crown upgrade for users:

- Manual correlation
- Replication design
- Improved ergonomic camera positioning when crossing the middle line
- New smoothing function in design mode