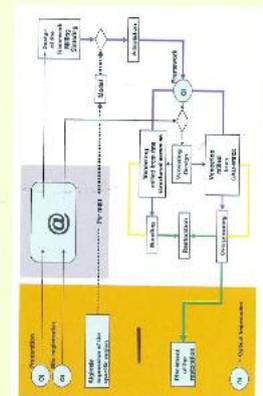


Web portal fosters closer collaboration between CEREC users and inLab laboratories

PROBLEM SOLVING Since Professor Francois Duvert first floated the idea of an "impression-free" dental practice several years ago, discussions have been under way about how to digitize tooth impressions and transmit the data to dental labs. CEREC provides a solution to this problem. A dedicated web portal is now under development to facilitate convenient data transfer.

CEREC users who specialize in inlays and onlays and substitute crowns to an external laboratory already have the option of transmitting optical impressions and the registrations by faxwork means. The process is performed as follows: The user performs the design step and the crown design on a CEREC system. The ceramic block, however, is not only a CEREC imaging unit at their disposal can adapt the same time. The procedure could be as follows: the laboratory receives an order for a crown and begins by designing and stirring a zirconium oxide framework. Subsequently the laboratory receives an optical impression of the prepared tooth and takes a further optical impression of the framework. This provides the basis for creating an anatomical crown that makes ab-



The "impression-free" dental practice becomes reality.

the dentist's and dental technician's email accounts. To solve this problem Sirona is in the process of creating a web portal that will allow dentists to upload their impressions and design data. For the dental technician, the data will be available in a secure and often business-friendly format and sends the order. All the laboratory has to do is download the data from the web portal and start working.

The web portal is currently under construction and will undergo extensive security and usability tests beginning in April.

Why choose Sirona's CEREC Blocs?

MATERIAL New optical shade selection system unites simplicity with diversity.

CEREC has proved itself in dental practices and laboratories as an affordable and estimated 12 million ceramic restorations that have already been placed worldwide. At the end of 2008 Sirona introduced its new CEREC Blocs ceramic materials to augment the product offerings of VITA Zahnfabrik and Inocor Vivadent.

The all-ceramic CEREC Blocs have been designed specifically for the fabrication of inlays, onlays, partial crowns, veneers and fully anatomical all-ceramic crowns. A new feature is the color selection system, which makes special allowance for the translucency and enamel-like properties of the fired-and-leached silicon ceramic material. This so-called "Shade Creep" combines the simplicity of the VITA Classical Shade Guide and the light and accuracy of VITA 3D-Master's impresses six degrees of lightness.

In addition, there are blocks with a higher Translucency (S2-M to S4-M) and a higher Opacity (S2-O to S4-O). In keeping with this logic, the Medium opacity blocks are designated "O.M." to S3-M. The

Block	Color	Translucency	Opacity
S1-M	5.18	5.0	5.0
S2-M	5.20	5.0	5.0
S3-M	5.22	5.0	5.0
S4-M	5.24	5.0	5.0
S1-O	5.18	5.0	5.0
S2-O	5.20	5.0	5.0
S3-O	5.22	5.0	5.0
S4-O	5.24	5.0	5.0

The CEREC shade selection system encompasses the simplicity of VITA Classical and the diversity of 3D-Master. The blocks should be selected first on the basis of lightness, and secondly on the basis of colour calibration.