A sharp focus on essentials, attractive and modern design, plus the streamlined production of clinically and aesthetically perfect dental restorations—these are the defining features of Sirona’s innovative CEREC SW 4.0 software, which is now poised to make its market debut.

A key highlight is the intuitive user interface, which has been redesigned using the latest software development tools. All the settings and processing steps can now be visualised with the aid of self-explanatory icons and photorealistic images. As a result, newcomers will find it easy to get to grips with the CEREC system and experienced users will be able to achieve even more convincing results than in the past.

The CEREC system enables dentists to create all-ceramic restorations directly in-house. During a single treatment session, they can acquire digital impressions of the patient’s teeth as a basis for designing patient-specific crowns, inlays, onlays, veneers and temporary bridges. In just a few minutes, these restorations can be machined out of ceramic blocks with the aid of the CEREC MC XL milling unit, ready for immediate placement. The new software provides clear and comprehensible guidance at all times.

**Intuitive user guidance via the phase and step bars**

The new software generation goes a step further towards streamlining the design process. The system guides the user step-by-step through the entire production process. For this purpose, the software employs a clearly structured graphical element, the phase bar, that indicates exactly which design phase the user has reached. The software functions and options adapt themselves dynamically as the work proceeds. The user interface remains clear and uncluttered, and only those items that are relevant are displayed at any given time.

**Manually adjustable biogeneric occlusal surfaces**

It goes without saying that the new-generation software automatically creates patient-specific occlusal surfaces. Based on an intact tooth, the patented biogeneric design function identifies the patient’s typical morphological characteristics and then generates an initial restoration proposal. The user can then modify this proposal with the aid of the new biogeneric variation tool. For cases in which the user wishes to make manual adjustments, Sirona has developed a completely new and intuitive interface concept: CEREC SW 4.0 anticipates the user’s needs and projects the relevant design tools directly onto the restoration. This minimises search times and mouse movement. By simply clicking the appropriate tool and holding down the mouse button, the user can work directly on the tooth. The modifications to the restoration are immediately visible.

**Multiple restorations created in parallel**

To cater for patients with multiple clinical indications, the new software allows dentists to work in parallel on several different restorations during a single treatment session. As a result, they are ideally placed to offer their patients a complete portfolio of aesthetic and functionally effective therapy solutions. Depending on the specific therapy requirements, dentists can combine various indications and design modes, and thus master clinical challenges that are routinely encountered in everyday practice with ease.

Appealing to experienced and new users alike, the software upgrade is available free of charge to CEREC Club members. CEREC Connect users will likewise enjoy the benefits of the new features, and welcome the new design and intuitive mode of working. The new user interface has been implemented on a one-to-one basis in the CEREC Connect 4.0 software.

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**Fig. 1.** CEREC SW 4.0 conveniently displays the appropriate tools directly beside the virtual model.

**Fig. 2.** Self-explanatory icons and photorealistic images are the defining features of the new intuitive CEREC 4.0 user interface.