FOR IMMEDIATE RELEASE:

Sirona Now Offers inLab® MC XL Users In-House Model Milling

New Software and Accessories Enable inLab® MC XL Users to Design and Mill Life-like Pin Models That Perfectly Replicate Human Anatomy

Charlotte, NC (February 18, 2011) – Sirona Dental Systems, LLC, the company that pioneered digital dentistry 25 years ago and the world’s leading producer of dental CAD/CAM systems, is now providing inLab® MC XL CAD/CAM users the ability to mill in-house models. For the first time, dental technicians are able to produce anatomically-sized models relying solely on CAD/CAM technology.

Along with new inLab 3D model milling software V3.85, Sirona now offers newly designed materials, cutting instruments, baseplates, and various accessories for laboratory technicians to mill superior in-house models, all on their inLab MC XL milling units.

The new model milling software further streamlines and secures the in-house digital production chain, from the reception of digital impressions to model production and complete CAD/CAM manufacturing of restorations. Moreover, MC XL users can even scan traditional impressions and, in turn, mill them out as a model. The user has the option of downloading digital impressions from the CEREC® Connect portal directly into the new software, or acquiring a traditional impression using Sirona’s inEos® Blue desktop scanner.

The software is equipped with powerful, straightforward tools and a simple, predictable workflow for designing precise, anatomically correct restorations and models. Developed specifically for the MC XL system, the new V3.85 software incorporates the advanced features and benefits of Sirona’s Biogeneric Software Technology, which is the only dental CAD/CAM software to automatically design a custom, true-to-life restoration based on individual patient morphology, rather than a pre-existing tooth model in a dental database.

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From beginning to end, the software streamlines the process of creating a perfect model. Once installed, the software is automatically set to the “MC XL” design technique, where the user can select from a plethora of options for design. In the first step, the model(s) can be trimmed, cleaned, and smoothed, thus eliminating any unwanted edges or imperfections. The user can then enter or edit existing margin lines.

The upper and lower plates of the model are then perfectly aligned by a function that defines the exact distance between the two. The model can be aligned in a display of two separate windows or in a large main view. The user can then segment the model by simply drawing trimming lines on the virtual model. The software automatically alerts the user of any segments that may be too large for the material block, thus prompting the user to trim the model into smaller segments.

Users have the choice to eliminate existing margin lines with the software’s “Ditch Margins” option. When the design is complete to the technician’s satisfaction, the model is virtually placed on a small or large baseplate and the software can automatically determine accurate pinholes. The user can edit and adjust the holes manually by simply clicking on them. Lastly, the software calculates the virtual model by including the segments and pinholes for an anatomically correct model.

A number of new MC XL accessories are also available that make milling in-house models straightforward and easy. New model baseplates and articulators are available in quadrant or full arch size. Model pinning tools secure the model components by pressing the pins effortlessly into the model segments. With a movable arm, the segments can then be loosened and pushed out of the model baseplate in case adjustments are required.

Sirona’s new inCoris™ Model S and inCoris™ Model L material blocks are designed to be milled exclusively by Sirona’s new shaper/finisher burs for perfectly designed models. The model blocks are made of durable polyurethane material and come in two sizes: Model S has dimensions of 65 x 40 x 22 mm, and the larger Model L measures 85 x 40 x 22 mm. The new durable 2.5 mm Tungsten carbide Shaper 25 burs have 4 cuts, and the Finisher 10 burs have 2 cuts and a diameter of 1.0 mm. The Shaper 25 bur is ideal for parallel roughing of the model baseplate; the Finisher 10 bur is designed for trimming segments and creating a smooth finishing of the model.

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A new bur change instrument can be used for all burs used with the MC XL, and its convenient red screw feature indicates when a new bur is needed. Moreover, a new torque key can be used for all MC XL block chucks. It has a consistent torque of 1.6nm and can be used for all millable materials on the MC XL.

For more information on the new inLab® MC XL Model Milling Software V3.85 and accessories, please call your local Patterson branch, 800-873-7683, or visit www.inLab.com.

About Sirona Dental Systems, LLC

Recognized as a leading global manufacturer of technologically advanced, high-quality dental equipment, Sirona has served equipment dealers and dentists worldwide for more than 125 years. Sirona develops, manufactures, and markets a complete line of dental products, including CAD/CAM restoration equipment (CEREC® and inLab®); digital and film-based intraoral, panoramic, and cephalometric X-ray imaging systems; dental treatment centers; and handpieces. Visit http://www.sirona.com for more information about Sirona and its products.

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