

Sensable introduces groundbreaking innovations to the industry's leading touch-enabled CAD/CAM solution for dental restorations

Breathtaking Capabilities, Maximum Precision: Intellifit Digital Restoration System Debuts Industry's First Touch-enabled Virtual Articulator

Wilmington/Heilbronn, 25 February 2011 – Sensable Dental, a division of Sensable, announces the newest version of its Intellifit touch-enabled Digital Restoration System that offers dental labs even more choice, performance and flexibility in digitally designing and fabricating a wide range of dental restorations. The latest update helps laboratories change even more swiftly from painstaking hand waxing to streamlined, efficient digital design and production.

Intellifit, formerly named the Sensable Dental Lab System, is the first and leading integrated solution for the computer-aided design and manufacturing (CAD/CAM) of fixed and removable dental restorations including partial dentures. The system's unique combination of touch-enabled software and a haptic device revolutionises tooth restoration and helps transition the lab technician's work from manual handcrafting to a streamlined digital workflow. Intellifit's touch-enabled technology allows laboratories of all sizes to produce highly accurate restorations fast, intuitively and economically. The latest update adds support for touch-enabled articulation, veneers and enhanced design features. It also offers a comprehensive range of fabrication choices for crown and bridge as well as impressive 3D printing capacity. Sensable is currently showcasing the newest Intellifit version at three dental lab industry events in Chicago coinciding with the renowned 'Chicago Dental Society Midwinter Meeting'.

Among the highlights of the latest update is haptic virtual articulation. Intellifit's unique 3D 'virtual touch' interface and an integrated touch-enabled articulator allow lab technicians to actually feel how the teeth – including the new restoration they are producing – will fit together in the patient's mouth. Articulators are essential to testing the occlusion of almost every type of dental restoration. Lab technicians have long used them, as well as their sense of touch, to assess whether a restoration will allow the patient to function with the correct amount of contact and excursive movements. Intellifit's virtual articulator mimics the feel and function of a physical articulator, yet allows dynamic settings to meet patient specifications and freedom of movement in three dimensions.

'We're proud to offer the industry's first touch-enabled virtual articulator integrated into the Intellifit system,' said Bob Steingart, President of Sensable Dental. 'Allowing lab technicians to assess the fit of restorations by "feel", in a way that they are used to – and giving them the tools to easily make adjustments – means more productivity for labs. Besides innovations like this, we're committed to giving labs more choice, more flexibility and more restoration types from the same system. As the economy forces dental labs to more closely examine their productivity, Sensable offers labs practical solutions to better serve their doctors while achieving a strong return on investment.'

The new version also adds veneers as well as enhanced crown and bridge functionality. Intellifit's digital design tools, along with integrated digital tooth libraries from VITA and Heraeus, streamline the process of creating highly aesthetic and perfectly fitting veneers. The Heraeus Premium digital tooth library is well known for its distinctively natural appearance and perfect fit, giving dental labs even more choice in making aesthetically pleasing restorations. With Intellifit's full-anatomy 'virtual' teeth, dental technicians can jump-start their designs for veneers, crowns, bridges, overstructures and substructures. The system's streamlined margin detection delivers precise margin lines for the most challenging cases, and its multi-die scanning accelerates the restoration design process by delivering accurate 3D scans in less than 20 seconds per unit.

Furthermore, Intellifit now provides dental labs with more fabrication choices and increased printer throughput. Once the dental restoration has been designed, laboratories can easily press full-anatomy crowns, bridges or veneers in popular all-ceramic materials from VITA and Ivoclar Vivadent, such as Ivoclar Vivadent's *IPS e.max* and *IPS Empress Esthetic*. Technicians of varying skill levels can deliver consistent, precisely fitting dentures in a fraction of the time needed for hand waxing as Intellifit reduces the number of steps required to produce high-quality pressed restorations. In addition, the solution provides automatic tool compensation and output for industry standard milling machines. Labs can mill full-contour overstructures and substructures in a variety of materials including zirconia and all-ceramic materials through Sensable's network of authorised milling centres. Finally, the high-resolution *3D Systems ProJet DP 3000* resin printer delivers more throughput for increased productivity with an up to 60% larger printing area. Labs can now print up to 200 parts in a single build. High-resolution resin parts can be used for casting, flasking and pressing and are ideal for fixed and removable restorations.

4,595 characters (without blanks)



Caption:

The Intellifit Digital Restoration System from Sensable includes the industry's first virtual touch-enabled articulator.

About Intellifit

Intellifit is the first and only touch-enabled CAD/CAM system for fixed and removable restorations. Formerly named the Sensable Dental Lab System, Sensable recently rebranded its award-winning dental solution as the Intellifit Digital Restoration System. The new name showcases the solution's unique intelligent software and system integration across scan, design and fabrication that delivers precise, consistent results.

About Sensable

Founded in 1993, Sensable remains the leading developer of touch-enabled solutions and technology that allow users to not only see and hear an on-screen computer application, but to actually 'feel' it. With 44 patents granted and over 9,000 systems installed worldwide, Sensable helps people innovate solutions with human touch. The company's Sensable Dental division provides the Intellifit Digital Restoration System, while Sensable also sells a suite of 3D design solutions that includes its flagship product Freeform and the Phantom and Omni lines of haptic devices, used in surgical simulation and planning, stroke rehabilitation and medical training, as well as a range of research and robotic applications. With an unparalleled commitment to partnering with customers, Sensable brings a human touch to innovating and implementing customer-centric solutions. Sensable products are available through direct and reseller channels worldwide. For further information, visit www.sensabledental.com.

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