3Shape, a Danish company specialising in the development of dental 3-D scanners and CAD/CAM software, has announced a global strategic alliance with Astra Tech, a Swedish company manufacturing and marketing dental implants. The enterprises intend to develop a new software interface enabling 3Shape scanners to communicate with Astra Tech software Atlantis VAD.

Atlantis VAD is a patented process using 3-D scanning to generate an exact virtual image of the upper and lower implant-level models. Once the new software has been developed, the interface will allow 3Shape scanner users to transfer digital scan information of patient oral geometry to Astra Tech Atlantis design and manufacturing facilities worldwide.

“The partnership with 3Shape is a strategic business opportunity, which will further strengthen Astra Tech’s position within the area of digital implant dentistry, contribute to a faster market penetration for Atlantis, and create added value for our customers and their patients,” says Peter Selley, CEO of the Astra Tech Group. President and CEO at 3Shape Flemming Thorup added that the collaboration will offer maximum flexibility to the company’s reselling partners and their dental lab customers using 3Shape scanner and software solutions. “We are very happy that the collaboration between Astra Tech and 3Shape will make it possible for many laboratories to benefit from the strength of our respective companies,” he stated.

3Shape runs offices in Denmark, the Ukraine, Poland, China and the USA. The company says its systems are created by more than 85 developers and applied in thousands of labs in more than 60 countries.

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SCANDINAVIAN DENTAL SPECIALISTS FORM GLOBAL ALLIANCE

Reciproc is probably the most significant new development since nickel-titanium instruments were first introduced to rotary preparation of root canals. The main difference to rotary NiTi systems with their elaborate instrument sequences is that RECIPROC completely prepares and shapes the root canal with only one single instrument.

Developed by the VDW from Munich in Germany, the RECIPROC system is supposed to simplify the procedure of preparing root canals while ensuring maximum security during the process. The root canal preparation results conform to the highest quality demands in this area and made possible through the use of this new reciprocating movement coupled with the special design of the RECIPROC instrument itself, the company said.

In its back-and-forth movement with varying angles of rotation, the instrument cuts during the longer forwards movement and discharges during the shorter backwards movement. These rotational angles have been programmed into the VDW.SILVER RECIPROC motor and prevent RECIPROC instruments from being used beyond their specific elastic limit. The risk of an instrument fracture can thus be minimised.

One RECIPROC instrument replaces a number of hand- and rotary instruments and is therefore defined for use in one molar maximum. Instruments are ready to use, in sterile blister packaging to prevent the risk of cross-contamination is eliminated. The RECIPROC system has three available instrument sizes, the one that best fits is selected in accordance to clearly defined criteria. With each of the three sizes of instrument, an optimal canal form for all obturation methods can be attained. Also included in this system are customised paper points and gutta-percha points to simplify the procedures of drying and filling.

VDW, GERMANY
www.vdw-dental.com
www.reciproc.com

ONE FILE ENDO WITH RECIPROC