Moving the dental world from analogue to digital - 3Shape’s success story continues

by Bernhard Moldenhauer & Matthias Diessner, DTI

The system is designed to give dentists best quality restorations and treat more patients effectively flooded by dentists to try the TRIOS 3D scanner in sleek and elegant design, seldom seen in dental clinical equipment.

One of the TRIOS 3D scanner's notable features is that it does not require dentists to apply spray or powder to coat the patient's teeth, making scanning an easy, fast and patient-comfortable process that doesn't ruin scan accuracy by adding material to teeth surfaces. In addition it can scan any materials, such as metals, semi-transparent materials and skin. It only requires minimal amount of training for use in clinical practice from day one.

The scanner captures over 5000 2D images per second, which is 100 times faster than a conventional video camera. Dentists who witnessed the presentations at IDS stated that the "impression-free" dental practice seems to be just around the corner.

An open communication interface allows the dentists to send the scanning data by internet directly to the lab of their choice where the technician can start designing the restoration solutions immediately using 3Shape DentalSystem software or the appropriate interface to third party software. The TRIOS communication software also includes a tool to visualise the technician's solutions for the patient, for example on an iPad, while the patient is still in the chair, which is especially important for anterior cases.

The system can be used in almost all the dental practices. The bench was literally flooded by dentists to try the TRIOS 3D scanner in sleek and elegant design, seldom seen in dental clinical equipment.

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and solutions are born from the union of cutting edge technology with the latest trends in the industry and in the markets. 3Shape Product managers and key developers have regular meetings with distribution partners around the world to keep each product in a top-of-the-class position. During the whole life-cycle, the products are developed in close collaboration with partners who understand and gather the needs of their customer base and the market.

5Shape headquarters in Copenhagen
But even with 10 years of outstanding history behind it, 5Shape never stops looking ahead. The company believes that the age of fully digital dentistry is only a few years down the road, even if there will always be some smaller dental practices who will still go the traditional way.

About 5Shape
Branches of 5Shape's customer support service are operative in Copenhagen (Denmark), New Jersey (USA) and Shanghai (China), virtually covering any time-zone. The very close collaboration between the customer support and the development team allows for unprecedented level of efficiency and responsibility to partners' call for help typically available in 12 among the world's major languages.

5Shape is a privately-held company headquartered in Copenhagen, with the market's largest team dedicated to scanner and software development for the dental segment based in Denmark and Ukraine, production facilities in Poland, and Support Offices in New Jersey, USA and Shanghai, China. For further information regarding 5Shape products, please refer to www.5shapedental.com.

rather than spending time and money on chairside milling. It handles a wide range of indications and produces quality 3-D data that can easily be realised by any lab.

Generally, digital data are controllable, predictable and available any time by requiring only minimal space. This guarantees that the dentist owns and can use patient data without limitations and can potentially export virtual setups to other systems such as for appliance manufacturing.

Surprisingly, 3Shape is the only major dental company that goes by a non-exclusive basis. All products are designed as plug-and-play solutions and feature open interfaces for connection to third-party applications.

3Shape has been recognised three times as Ernst & Young's Entrepreneur of the Year in the Innovation category in Denmark. This prestigious award recognises innovation, leadership, state-of-the-art products, international network and clear strategy to pursue continuous growth.

Today 3Shape's development team counts more than 100 developers of 22 different nationalities, with a least 50 PhDs among them. All products and solutions are born from the union of cutting edge technology with the latest trends in the industry and in the markets. 3Shape Product managers and key developers have regular meetings with distribution partners around the world to keep each product in a top-of-the-class position. During the whole life-cycle, the products are developed in close collaboration with partners who understand and gather the needs of their customer base and the market.

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A unique spiral design and internal irrigation prevent the instrument’s temperature from rising during the surgical procedure. These features combine effectively to promote excellent regeneration of the bone tissue.

EMS Swiss Instruments Surgery MB4, MB5 and MB6 are diamond-coated cylindrical instruments for secondary surgical preparation (MB4, MB5) and final osteotomy (MB6). A spiral design combined with innovative dual cooling makes these instruments unique in implant dentistry.

CONTROL SAVES
Effective instrument control fosters atraumatic implant preparation and minimizes any potential damage to the bone tissue.

PRECISION REASSURES
Selective cutting represents virtually no risk of damage to soft tissue (membranes, nerves, blood vessels, etc.). An optimum view of the operative site and minimal bleeding thanks to cavitation (hemostatic effect) further enhance efficacy.

The new EMS Swiss Instruments Surgery stand for unequalled Swiss precision and innovation for the benefit of dental practitioners and patients alike – the very philosophy embraced by EMS.

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