The right CAD/CAM system for every requirement

_During IDS 2013, which will take place in Cologne from 12 to 16 March, DATRON, a specialist machine manufacturer and CAD/CAM expert, will be introducing two new products based on the proven DATRON D5 CAD/CAM system: D5 Linear Scales and D5 Entry._

**D5 Linear Scales—**for maximum precision

D5 Linear Scales is equipped with high-precision linear scales and has been designed especially for applications with high accuracy demands, for example for large-span work in the field of implantology. Owing to its increased thermal stability, it provides consistent quality, even with temperature fluctuations. With a repeatability of < 2 μm and an absolute accuracy of ± 5 μm, D5 Linear Scales is the ideal machine for milling centres wishing to create particularly demanding restorations with the utmost precision.

**D5 Entry—entry-level model for machining soft materials**

D5 Entry is a cost-effective entry-level model that has been specifically designed to machine soft materials such as zirconium oxide. The machine is ideal for smaller laboratories initially wishing to process only soft materials and not requiring eight-fold automation without compromising the accuracy and versatility of a high-precision five-axis simultaneous machine. When required, for example owing to the laboratory's growth or the need to machine metals in the future, D5 Entry can easily be expanded to the full version.

**Validated manufacturing processes**

In addition to the new machine models, DATRON will present the latest machining techniques in the field of implantology and the milling of models based on intra-oral scanning data. Working jointly with selected scanner manufacturers and software partners, DATRON offers machinery for the entire CAD/CAM process from a single source, adapted precisely to the individual needs of each customer. This way, our customers can acquire the best system for their specific needs.

Visit DATRON at the IDS in Hall 3.1, Booth L008, M009.

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CAD/CAM

international magazine of digital dentistry

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3Shape releases its new Dental System

3Shape’s Dental System 2013 introduces new major indications, a variety of powerful design tools, optimised order creation, improved scanning and design workflows, and a new and highly intuitive user interface. At the end of 2012, 3Shape, a user-acclaimed world-wide leader in 3-D scanners and CAD/CAM software solutions, released its next generation Dental System to the market.

“We are keenly focused on helping laboratories stay competitive in an industry driven by technology changes, escalating globalisation and increasing regulatory demands,” said Flemming Thorup, President and CEO of 3Shape. “By enhancing ease of use in our Dental System 2013 and adding even more major indications for digital design, we believe that we can significantly increase the productivity of laboratories and the range of services they can offer at competitive prices.”

New features of Dental System 2013

New user interface for maximum ease of use and simplified design workflows

A new intuitive workflow progress bar guides users through each design step. The new interface introduces an impressive full-screen design window that maximises the 3-D design space.

Advanced implant bridges with gingiva (Prettau style)

Advanced bridges, complete with gingiva, teeth and implant interfaces, can be designed in a single smooth workflow. Designs can be milled directly in zirconia, titanium, PMMA or other materials.

New post-and-core design software

This completely new post-and-core solution with unique scanning and design workflows and specially designed scan posts captures post positions and depth from the model. All layers are designed in a single workflow, starting with the anatomy layer. The software uses scans from both TRIOS and 3Shape desktop scanners.

New Abutment Designer workflow for screw-retained crowns and anatomical abutments

3Shape introduces a new workflow for designing screw-retained restorations in Abutment Designer. All types of abutments—standard customised abutments, screw-retained crowns and anatomical abutments—are selected directly in the order form, followed by the new Anatomy-First workflow.

Ground-breaking digital Denture Design

3Shape’s new Denture Design software brings digital precision and efficiency to a traditionally technique-demanding process. Technicians can use 3Shape’s Smile Composer and the unique Gingiva Creation Tool to model highly aesthetic and functional dentures efficiently.

TRIOS Inbox—Laboratories can connect to any open TRIOS digital impression system in the world

The new TRIOS Inbox enables laboratories to receive scans from TRIOS digital impression systems in dental clinics and discuss cases with dentists online. Incoming cases can be accepted or rejected with a single click and a notification is immediately sent back to the dentist.

Get Dental System 2013 as a part of your 3Shape LABcare

All Dental System subscriptions include 3Shape LABcare, 3Shape’s customer-centric package that gives users new technologies through annual releases such as this Dental System 2013 software. In addition to upgrades, 3Shape LABcare gives laboratories access to an efficient support network with multiple-language assistance, and access to training and learning channels such as webinars, videos, etc. Dental System 2013 is available through 3Shape resellers. Actual availability to end-users depends on the specific system configuration. Please contact your local 3Shape supplier, or visit www.3shapedental.com to contact a reseller.
Welcome to the 46th Scandinavian Dental Fair
The leading annual dental fair in Scandinavia

SCANDEFA 2013
Is organized by Bella Center and is being held in conjunction with the Annual Scientific Meeting, organized by the Danish Dental Association (www.tandlaegeforeningen.dk).

183 exhibitors and 10,562 visitors participated at SCANDEFA 2012 at approx. 14,000 m² of exhibition space.

Exhibit at Scandefa
Book online at www.scandefa.dk
Account Manager Tommy Louens
tlo@bellacenter.dk, T +45 32 47 21 33

Travel information
Bella Center is located just a 10 minute taxi drive from Copenhagen Airport. A regional train runs from the airport to Orestad Station, only 15 minutes drive.

Check in at Bella Center’s newly built hotel
Bella Sky Comwell is Scandinavia’s largest design hotel. The hotel is an integral part of Bella Center and has direct access to Scandefa. Book your stay on www.bellasky.dk

www.scandefa.dk
Straumann introduces the new CARES System 8.0

**At IDS 2013 in Cologne,** Straumann will announce and present new products and services in the field of prosthetic digital solutions. The new Straumann CARES System 8.0 enhances operational efficiency thanks to the new, innovative prosthetic solutions that are designed to optimise digital workflows and to increase the productivity and profitability of dental laboratories.

The essence of dental digitalisation lies in the streamlining of the prosthetic workflow in order to minimise the necessary process steps. Straumann introduces CARES X-Stream, a new solution-driven service that provides a one-step single-tooth implant-based prosthetic restoration process, needing only one scan, one design and one delivery.
Straumann CARES Variobase Abutments provide high design flexibility and the advantage of adapting the treatment to the patient’s individual oral situation. The new hybrid abutments come with zerion coping in four different ceramic shades and with original connection.

Straumann screw-retained bridges and bars and new bar designs (Figs. 3 & 4)

Straumann CARES System 8.0 now offers an extension to screw-retained bridges and bars for the Straumann Bone Level Implant and introduces Dolder-Bar U-shape (regular and mini-size), Dolder-Bar egg-shape (mini-size), Round-Bar with a diameter of 1.8 mm/Ackermann-Bar with a diameter of 1.9 mm, and MP-Clip Bar.

Full-contour zirconia restorations for crowns and bridges (Figs. 5a & b)

Straumann has extended its already versatile portfolio with zerion HT, a highly translucent zirconium dioxide ceramic for efficient full-contour crown and bridge restorations up to three units. It requires minimal processing (only polishing required, no layering needed) and is a high-strength material designed for reliability and the achievement of outstanding aesthetics. CARES System 8.0 has fully integrated all Dental Wings functionalities with regard to abutment and full-contour crown designs into the CARES Validated Workflow. The latest software version includes more functions, such as mirroring natural anatomy in the desired restoration in easy steps, allowing simultaneous scanning and design, and intuitive design of screw-retained bars to finalise the restoration faster and work more efficiently.

Fig. 3. Straumann CARES screw-retained bridge.
Fig. 4. Straumann CARES Bar.
Figs. 5a & 5b. Full-contour Zirconia restorations for crowns and bridges.

Dolder is a registered trademark of Prof. Eugen Dolder, former director of the dental school of the University of Zurich. Ackermann-Bar and MP-Clip are registered trademarks of Cendres+Métaux Holding SA, Switzerland.

Fig. 6. Straumann CARES prosthetic solutions, design in CARES Visual design software.

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4002 Basel, Switzerland

www.straumann.com
Registration is open and the preliminary programme is now available for the Nobel Biocare Global Symposium 2013 in New York City. The symposium will be held from 20 to 23 June at one of the Big Apple’s landmarks, the famous Waldorf Astoria. Participants will join the leading experts in implant dentistry for an exciting four-day event. In keeping with Nobel Biocare’s mission, the symposium theme is “Designing for life: Today and in the future” and the scientific programme will offer a comprehensive perspective on how to treat more patients with better results and highlight the latest in implant-based treatment.

Over 100 world-renowned leaders and pioneers

An impressive selection of over 100 well-known researchers, scientists, clinicians and academics will share their insights and perspectives, as well as explore the possibilities of quality care today and in the future. The innovative programme is guided by a scientific committee chaired by George Zarb, with highly respected members from various countries: William Becker, Charles J. Goodacre, Burton Langer, Jay Malmquist, Shohei Kasugai, Ye Lin, Friedrich W. Neukam, Eric Rompen, Massimo Simion, Daniel van Steenberghe and Bernard Touati.

This exclusive event is designed for the dental professional who wants to acquire the latest science-based knowledge and techniques in implant dentistry. Participants will benefit from an innovative and insightful programme format designed to maximise the learning experience. From both scientific and clinical points of view, the programme will include the latest knowledge on the key factors for successful oral rehabilitation, such as diagnosis and treatment planning, surgical and restorative treatment, and patient follow-up. Effective restoration of missing single teeth, multiple teeth and edentulous jaws will be covered, along with important clinical topics, such as minimally invasive, graftless solutions, immediate placement and function, as well as soft-tissue health and aesthetics.

For more information, visit www.nobelbiocare.com.