SS White introduces Great White carbide lab burs

By SS White

COPENHAGEN, Denmark: When choosing a dental bur, the options seem endless, even for specialty burs like those designed for laboratory applications. The needs and requirements of dental laboratories have changed significantly over the past ten years, and today’s laboratories cut everything from plaster to titanium and require a product that offers great efficiency.

For increased performance and durability in laboratories, SS White recently introduced its Great White Lab Series Carbide Burs, with a patented proprietary zirconium nitride coating to increase the surface hardness of the bur and create an extremely efficient cutting instrument. According to Brant Miles, Director of Business Development at SS White, the Great White laboratory burs offer up to ten times increased durability and longevity compared with products not coated with zirconium.

With a tungsten carbide head, the burs cut a multitude of different dental substrates, and a stainless-steel Shank reduces unnecessary wear to the handpiece. The burs are abrasion-resistant, reducing surface heat and vibration for a cooler and more consistent surface finish. With the versatility to cut all types of materials, the Great White laboratory burs are available in cross-cut and spiral fluted blade configurations in a variety of shapes, sizes and grits. Dental professionals can choose the correct instrument for all applications, whether for bulk reduction, adjusting or fine finishing on all dental materials, including stone, acrylic, precious and non-precious metal, or any other material used in the dental laboratory.

“The Great White Lab Series burs offer excellent value owing to their industry-leading cutting efficiency, which leads to increased service life and lower instrument cost. With optimal material reduction, the laboratory cutters produce a high-quality surface finish, which helps reduce remakes,” reported Miles.

SS White invites anyone interested in adding Great White carbide laboratory burs to their SS White product line or becoming an SS White dealer to contact International Director of Sales Michael Schwartz at mschwartz@sswhitedental.com. By partnering with SS White and representing the 175-year-old brand, dealers will benefit:

- A differentiated restorative and endodontic full product line
- World class quality (ISO 13485:2003)
- Preferred pricing commitment
- Industry-leading delivery times
- Full sales and marketing support.

For more information can be found at www.sswhitedental.com

New 3Shape Dental System 2019 software now available

By DTI

COPENHAGEN, Denmark: 3Shape has announced the release of the 2019 version of its industry-leading design software for laboratories. The new and improved 3Shape Dental System 2019 includes significantly enhanced solutions for designing and producing dentures, splints and clear aligners, as well as improvements to core workflows.

"3Shape Dental System 2019 enables labs to do what they love, creating great aesthetic and functional dental art," said 3Shape Vice President for Product Strategy Rune Fisker. He added, "With every new 3Shape Dental System software release and as a part of our 3Shape LabCare promise, we develop stronger software with increased productivity and new opportunities for labs to expand their business and unleash their potential."

Powerful advancements to 3Shape’s denture design software and new developments in materials and manufacturing allow for higher profit margins for laboratories when producing dentures digitally. The new features of teeth-in-blocks, optimised try-in denture workflow, and improved TRIOS integration and alignment reduce labour time, production costs and improve efficiency.

Clear Aligner Studio enables laboratories to expand their offerings with clear aligners. The new version of Clear Aligner Studio brings 20–40 per cent efficiency gains to the set-up and staging of clear aligners and includes new automated features, such as 3D tagging, attachment sizing and placement.

3Shape Split Studio enables laboratories to easily produce splints, night guards, protectors and similar dental appliances with just a few clicks. It is important to note that 3Shape Split Studio has not yet been approved by the Food and Drug Administration in the US.

Globally renowned certified dental technicians Priezrek Swerrynik and Kate Brantvik have created a complete set of new smile libraries for 3Shape Dental System and 3Shape Smile Design. The smile libraries are based on real people’s smiles and are included in a corresponding coffee table book meant for patients and dental practices. Patients can leaf through the book and choose a desired smile. Laboratories can then create the restoration chosen from the book using the matching library in 3Shape Dental System.

Additionally, 3Shape Dental System 2019 is now up to ten times faster in starting new cases, re-opening previously designed cases, and importing and exporting material settings. The system now offers design proposals with just one click—for example, for beautiful gingivae for implant bridges. There is also a new advanced function using the patient’s real jaw motion.

Speaking about the new Dental System software, 3Shape co-founder Tais Clausen remarked, “Dental System 2019 is for labs of all sizes that want to stay ahead in a changing industry. And dentistry is indeed changing. More and more dentists want to enjoy the efficiency and improved patient experience enabled by intraoral scanners and 3D software for diagnostics and treatment. Labs can play a key role in this change because the digital dentist needs a strong digital partner—a lab they can work with to realise the full potential of today’s technologies."

“Labs are also seeking partners. Many labs work closely with expert design services, milling centers and 3D print providers to ensure that they can fulfill their customers’ varied demands. The open system philosophy behind Dental System will enable you to work directly and seamlessly with the industry’s strongest providers.”
inLab software update 19.0: organise and link digital processes efficiently

By Dentsply Sirona

The broad range of indications and the easy to use software interface make Dentsply Sirona’s inLab CAD/CAM software a central component of the digital workflow in many laboratories. The brand new inLab soft- ware 19.0 update offers more design options, better efficient organization of production and enhanced net- working with the dental practice.

The continuous development and optimization of the inLab software strengthens professional application opportunities for more productiv- ity in the laboratory. The inLab CAD SW 19.0 Model App now allows laborato- ries to use both inLab and ELOS Medtech model analogs when designing implant prosthetic cases. Furthermore, Atlantis® Core Files that are received can now be made into a model, under consideration of the appropriate abutment geometry, so that an analog model is not required for such cases.

The cooperation between Dentsply Sirona and exocad®, which was an- nounced earlier this year, represents a synergistic partnership that ben- efits the dental laboratory. exocad® users can now take advantage of a validated workflow that utilizes Dentsply Sirona’s high-precision extraoral scanner, the inLab X5. This workflow enables a case to be created in exocad®, then scanned with inLab X5 from inLab software version 19.0 or higher, and designed with the ex- ocad® software in a fully integrated workflow.

inLab CAM software with new process options

inLab CAM software 19.0 provides even more efficient production pro- cesses, particularly when used with the 5-axis inLab MC X5 grinding and milling unit. For the first time, inLab CAM 19.0 contains an analysis tool that ensures a high level of reliability by providing a production simul- lation that previews the final pro- duction, on the basis of positioning, spruing and tool configuration. The thickness of the walls of the object can also be tested before processing.

For the manufacturing of Dentsply Sirona Digital Dentures, the software update offers freespace milling of the Lucitone 199 Denture Base disk the provides easier access for the lab technician when bonding Portrait IPN Denture Teeth in place. Furthermore, 45mm disks in height (of all material classes) can now be pro- cessed in the inLab MC X5, including Lucitone 199.

In the case of restoration data from other CAD software, tool-compatible machining of the fitting surfaces is also possible with the inLab produc- tion machines. The inLab MC X5 can now also be used to produce crowns with screw access channels from grinding materials using the wet grinding process, e.g., Celtra Duo, for the manufacture of implant-based restorations.

It is a seamless inLab system integra- tion with automatic data transfer or the import of open data regardless of which CAD data basis is used, the inLab CAM software has an intel- ligent query system, and guides the user safely through the manufactur- ing process depending on the type of restoration. In addition, the ex- tended validated construction info- interface with exocad® enables res- toration data to be conveniently im- ported into the inLab CAM software for the first time in a compatible for- mat, where it can be processed with inLab MC X5 or inLab MC XL.

The new Cercon® xt ML disk from the provides easier access for the lab technician when bonding Portrait IPN Denture Teeth in place. Furthermore, 45mm disks in height (of all material classes) can now be pro- cessed in the inLab MC X5, including Lucitone 199.

In the case of restoration data from other CAD software, tool-compatible machining of the fitting surfaces is also possible with the inLab produc- tion machines. The inLab MC X5 can now also be used to produce crowns with screw access channels from grinding materials using the wet grinding process, e.g., Celtra Duo, for the manufacture of implant-based restorations.

It is a seamless inLab system integra- tion with automatic data transfer or the import of open data regardless of which CAD data basis is used, the inLab CAM software has an intel- ligent query system, and guides the user safely through the manufactur- ing process depending on the type of restoration. In addition, the ex- tended validated construction info- interface with exocad® enables res- toration data to be conveniently im- ported into the inLab CAM software for the first time in a compatible for- mat, where it can be processed with inLab MC X5 or inLab MC XL.

The new Cercon® xt ML disk from Dentsply Sirona – the extra trans- lucent zirconia with a natural color gradient for high-quality esthetic results – has also been validated for production with inLab MC X5. It can be selected directly in the inLab-CAM 19 software or higher going forward.

New Connect Case Center In- box for all dental lab oratories

inLab users will benefit from the ability to receive digital impressions and case data transmitted through Connect Case Center, formerly Si- rona Connect, directly within the inlab software. The Connect Case Center Inbox is a new feature. This standalone application gives labs that also, or only, work with other CAD/CAM software, flexible access to digital impression data that has been generated from a CEREC digital impression unit, such as Primescan or Omnicam. For further processing, in the preferred laboratory software, the Inbox not only generates the inlab format, but for the first time, also the dental project format vali- dated for exocad®, providing model and case data, color information and preparation margins. Other com- mon open data formats, such as STL and OBJ, are also available. Further functions can also be used, such as multiple downloading for the stor- age of cases in predefined work fold- ers and linking to laboratory man- agement software.

The Connect Case Center Inbox is subject to license, but customers who upgrade to inLab software 19.0 will receive it for free with the cur- rent update. The application can be used on a separate Windows PC, in- dependently of an inlab PC. For the first time, the inLab software 19.0 is also available for download (search ‘inlab software 19.0 online’). As usu- al, the inLab software update 19.0 li- cense (CAD and CAM) can be ordered from specialist retailers.

“Available from exocad® 2.3 Matera. Availability may differ between exo- cad® sales partners – please direct your inquiries to the respective sales partner. You will find a list of the authorized exo- cad® sales partners at exocad.com/sales/ partners/med:

For more information about the Dentsply Sirona portfolio please contact your local representative.

Dentsply Sirona
21st Floor, The Bay Gate Tower Business Bay, Al Sa’ada Street Dubai, United Arab Emirates Tel: +971 (0) 4232 0600 Web: www.dentsplysirona.com/MENA E-mail: MENA-Marketing@dentsplysirona.com