At this year’s International Dental Show (IDS), which took place from 10 to 14 March in Cologne, attendees had the opportunity to explore innovative technologies and products brought together on a global platform by the KaVo Kerr Group. The company presented more than 35 new products at IDS, including offerings in digital imaging, CAD/CAM, operatory units, handpieces and a wide range of consumables that aim to render dental professionals’ work faster, easier, more accurate and more flexible.

“Innovation means raising standards of care.”

By Sierrra Rendon & Claudia Duschek, DTI

“Formed in February 2014, KaVo Kerr Group—composed of 14 brands and companies—has more than 500 years of combined experience and reaches 99 per cent of dental practices around the world. The portfolio of brands includes KaVo, Kerr Restoratives, Kerr Prevention, Kerr Endodontics, Kerr Rotary, Pentron, Orascopic, Pelton & Crane, Marus, DCI Equipment, Gendex, DEOS, Instrumentarium Dental, Soredex, i-CAT, DUMAD, Implant Direct, and Ormco. The portfolio of brands is interconnected by common values of trust, experience, choice, quality and smart innovation.

“It is exciting to interact with so many of our international customers at IDS,” said Matt Garrett, KaVo Kerr Group’s Global Vice President of Marketing, Dental Technologies. “This is our first opportunity to share our identity with a global audience, and our booth is designed to engage their senses as we as the clinician’s intellect.”

KaVo Kerr Group booth the spot for technological advances

Through extensive live surgery demonstrations and hands-on sessions, IDS visitors were educated and informed about the benefits of using these both new and tried-and-true products individually as well as part of a broader workflow solution.

For example, Isabel Buhr, International Product Manager CAD/CAM at KaVo Kerr Group, demonstrated the functions of the Lythos intraoral scanner to hundreds of attendees. “This scanner takes 1.2 million images per second,” she explained. “It’s very easy for anyone to learn how to do. The learning curve is very quick.”

The Lythos scanner allows clinicians to capture highly detailed images in seconds without powder; in addition, they can easily rescan at any point, review data at any time and use the touchscreen to rotate the model in an infinite number of ways. Once the data has been scanned, clinicians can proceed to complete the design in-office or wirelessly upload complex design cases via the cloud to KaVo’s Remote Design Service.

KaVo has been an industry leader when it comes to CAD/CAM, having first joined the market about ten years ago. With the KaVo Everest engine, the company was the first in the market to be able to mill zirconia.
An interview with Stanzi Prell, Commercial President of Europe, the Middle East and Africa at KaVo Dental, on what that brand represents to the dentist and to the global marketplace.

What is KaVo Kerr Group?

On 10 March, KaVo Kerr Group hosted an event at the International Dental Show in Cologne to formally introduce KaVo Kerr Group to an international audience. Beyond the celebratory nature of the night, what key messages did you hope to convey to those in attendance?

KaVo Kerr Group represents outstanding brands that 99 per cent of dental practices use and trust every day. As the global leader in innovation, we are committed to enhancing clinical outcomes and improving workflows that simplify and improve the lives of both clinicians and patients. The night is not just about announcing 35-plus new products, but about connecting those products to results that meaningfully impact the lives of the people we serve.

It is comprised of brands that are instantly recognisable, but what does KaVo Kerr Group stand for?

KaVo Kerr Group is a platform that unites 14-plus brands that represent more than 500 years of combined experience. We compete in a breadth of categories — including hygiene, restorative, traditional equipment, imaging, implants, specialty and special markets. Most of our customers don’t realise that the brands they use and trust every day are actually produced by the same global dental company. By bringing all our brands together, we can leverage our portfolio of resources — particularly research and development — to achieve our goals of simplified dentistry and enhanced clinical outcomes.

What can you tell us about the timing of KaVo Kerr Group’s formation? What made this past year the right time to bring the brands together in this more formal way?

KaVo Kerr Group truly originated back in 2004, when our parent company, Danaher, acquired KaVo and Gendex, followed shortly by DEXIS, Pelton & Crane, and Sybron, which brought in Kerr and Ormco. Of course, many followed as time went on, including DUK Dental just last summer. We were fortunate to have been able to assemble such an outstanding portfolio of brands over the past ten years. The formal name KaVo Kerr Group was articulated just last year and will define our global dental business and portfolio of brands.

What makes innovation smart— or, more specifically, how is the KaVo Kerr Group approach to product development generating higher quality launches?

There are really two main components that shape our definition of “smart innovation.” Both are based on values articulated within the wider Danaher culture. First is the principle that, “Customers talk, we listen.” Our innovation is smarter because it is customer-centric, driving creative solutions to directly address customer needs. Second is the idea that, “Continual improvement is our way of life.” Being No. 1 in market share is good, but we set a high bar for ourselves to constantly strive to do better, no matter where we rank.

What do you see as the connective tissue between the products united on this platform?

We share five core values: trust, experience, choices, quality, smart innovation. More importantly, all our brands are passionately focused on helping dental professionals confidently optimise their work and lives. We believe that creating a more efficient workflow is a crucial first step in making dentistry more accessible to people in need of care.

What can you tell us about the timing of KaVo Kerr Group’s formation? What made this past year the right time to bring the brands together in this more formal way?

KaVo Kerr Group truly originated back in 2004, when our parent company, Danaher, acquired KaVo and Gendex, followed shortly by DEXIS, Pelton & Crane, and Sybron, which brought in Kerr and Ormco. Of course, many followed as time went on, including DUK Dental just last summer. We were fortunate to have been able to assemble such an outstanding portfolio of brands over the past ten years. The formal name KaVo Kerr Group was articulated just last year and will define our global dental business and portfolio of brands.

What makes innovation smart— or, more specifically, how is the KaVo Kerr Group approach to product development generating higher quality launches?

There are really two main components that shape our definition of “smart innovation.” Both are based on values articulated within the wider Danaher culture. First is the principle that, “Customers talk, we listen.” Our innovation is smarter because it is customer-centric, driving creative solutions to directly address customer needs. Second is the idea that, “Continual improvement is our way of life.” Being No. 1 in market share is good, but we set a high bar for ourselves to constantly strive to do better, no matter where we rank.

What do you see as the connective tissue between the products united on this platform?

We share five core values: trust, experience, choices, quality, smart innovation. More importantly, all our brands are passionately focused on helping dental professionals confidently optimise their work and lives. We believe that creating a more efficient workflow is a crucial first step in making dentistry more accessible to people in need of care.

What can you tell us about the timing of KaVo Kerr Group’s formation? What made this past year the right time to bring the brands together in this more formal way?

KaVo Kerr Group truly originated back in 2004, when our parent company, Danaher, acquired KaVo and Gendex, followed shortly by DEXIS, Pelton & Crane, and Sybron, which brought in Kerr and Ormco. Of course, many followed as time went on, including DUK Dental just last summer. We were fortunate to have been able to assemble such an outstanding portfolio of brands over the past ten years. The formal name KaVo Kerr Group was articulated just last year and will define our global dental business and portfolio of brands.

What makes innovation smart— or, more specifically, how is the KaVo Kerr Group approach to product development generating higher quality launches?

There are really two main components that shape our definition of “smart innovation.” Both are based on values articulated within the wider Danaher culture. First is the principle that, “Customers talk, we listen.” Our innovation is smarter because it is customer-centric, driving creative solutions to directly address customer needs. Second is the idea that, “Continual improvement is our way of life.” Being No. 1 in market share is good, but we set a high bar for ourselves to constantly strive to do better, no matter where we rank.

What do you see as the connective tissue between the products united on this platform?

We share five core values: trust, experience, choices, quality, smart innovation. More importantly, all our brands are passionately focused on helping dental professionals confidently optimise their work and lives. We believe that creating a more efficient workflow is a crucial first step in making dentistry more accessible to people in need of care.

What can you tell us about the timing of KaVo Kerr Group’s formation? What made this past year the right time to bring the brands together in this more formal way?

KaVo Kerr Group truly originated back in 2004, when our parent company, Danaher, acquired KaVo and Gendex, followed shortly by DEXIS, Pelton & Crane, and Sybron, which brought in Kerr and Ormco. Of course, many followed as time went on, including DUK Dental just last summer. We were fortunate to have been able to assemble such an outstanding portfolio of brands over the past ten years. The formal name KaVo Kerr Group was articulated just last year and will define our global dental business and portfolio of brands.

What makes innovation smart— or, more specifically, how is the KaVo Kerr Group approach to product development generating higher quality launches?

There are really two main components that shape our definition of “smart innovation.” Both are based on values articulated within the wider Danaher culture. First is the principle that, “Customers talk, we listen.” Our innovation is smarter because it is customer-centric, driving creative solutions to directly address customer needs. Second is the idea that, “Continual improvement is our way of life.” Being No. 1 in market share is good, but we set a high bar for ourselves to constantly strive to do better, no matter where we rank.

What do you see as the connective tissue between the products united on this platform?

We share five core values: trust, experience, choices, quality, smart innovation. More importantly, all our brands are passionately focused on helping dental professionals confidently optimise their work and lives. We believe that creating a more efficient workflow is a crucial first step in making dentistry more accessible to people in need of care.

What can you tell us about the timing of KaVo Kerr Group’s formation? What made this past year the right time to bring the brands together in this more formal way?

KaVo Kerr Group truly originated back in 2004, when our parent company, Danaher, acquired KaVo and Gendex, followed shortly by DEXIS, Pelton & Crane, and Sybron, which brought in Kerr and Ormco. Of course, many followed as time went on, including DUK Dental just last summer. We were fortunate to have been able to assemble such an outstanding portfolio of brands over the past ten years. The formal name KaVo Kerr Group was articulated just last year and will define our global dental business and portfolio of brands.

What makes innovation smart— or, more specifically, how is the KaVo Kerr Group approach to product development generating higher quality launches?

There are really two main components that shape our definition of “smart innovation.” Both are based on values articulated within the wider Danaher culture. First is the principle that, “Customers talk, we listen.” Our innovation is smarter because it is customer-centric, driving creative solutions to directly address customer needs. Second is the idea that, “Continual improvement is our way of life.” Being No. 1 in market share is good, but we set a high bar for ourselves to constantly strive to do better, no matter where we rank.
SMALL HEAD BIG DEAL

20\% smaller*

43\% smaller*

* Head sizes in comparison with the world’s favorite High Speed Handpiece, the KaVo GENTLEpower 25 LP

The new KaVo MASTERmatic High Speed Handpieces

KaVo. Dental Excellence.
It was also the first to offer a 5-axis simultaneous milling machine, allowing for demanding geometries and undercuts.

The first generation of Everest, could fabricate up to two discs at once and, since the 2013 launch of Everest CAM2 upgrade, up to eight single-unit glass ceramics and composite blocks simultaneously. Following the launch of Everest, KaVo developed the ARCTICA system in 2012. This system also offers 5-axis simultaneous milling but in smaller dimensions, targeting practice laboratories and dentists interested in providing in-office, or chairside, restorations.

Dr Fabio Sog gia from Turin in Italy commented: “Comparing the quality and reproducibility of milled restorations with other systems, the ARCTICA is ten times better.”

Celebrating the art of innovation
Approximately 750 people from 40 countries worldwide attended KaVo Kerr Group’s Art of Innovation event as part of IDS. The group invited dental professionals, dealer partners, industry leaders, and global media representatives to the Flora Köln, a historical formal park and botanical garden adjacent to the Cologne Zoological Garden to celebrate the formation of the group and to see many of its new products up close.

The evening’s moderator, Tamara Sedmak, charmed the crowd as she led it through the event’s many highlights. Sedmak is a former model, actress, singer, renowned journalist and TV host in Switzerland and Germany. For more than 15 years, she has been a host and commentator for a variety of media channels, and her fluency in seven languages made her the perfect presenter for this multilingual crowd.

Henk van Duijnoven, Senior Vice-President of KaVo Kerr Group, explained what the term “innovation” stands for at KaVo: “For us, innovation means raising standards of care. In order to achieve that, we have to understand what happens in the smallest unit of dental care—the dental practice. Therefore, we are committed to listening to the voice of the customer.”

He further stated that it is the goal of the group to improve treatment efficiency with the many brands of the group. While not part of the KaVo Kerr Group, Swiss dental manufacturer Nobel Biocare did join the Danaher dental platform in autumn last year, making it a strategic partner in delivering smarter, more clinically sound workflow solutions available to a wider group of dental professionals.

Moreover, Stanzi Prell, Commercial President of Europe, the Middle East and Africa at KaVo Dental, said that new digital solutions are another priority for the group, as they benefit treatment planning and bring about more predictable results.

A selection of new products on display at the company’s booth at IDS were showcased at the event. Clinicians swarmed in the exhibition room to see the latest from KaVo Kerr Group’s brands up close and engage with product managers.

The entertainment programme of the evening included two dancers cloaked only in neon lighting and a LED show drumming group.

“We are committed to listening to the voice of the customer.”
Show Review IDS Cologne 2015

**Light muses and drummers charmed the crowd.** (Photo/Robert Strehler)

**Guests had the opportunity to explore KaVo Kerr Group’s product portfolio.** (Photo/Robert Strehler)

**Attendees were introduced to the new KaVo ESTETICA E80 Vision.** (Photo/Sierra Rendon)

**From left: The evening’s moderator, Tamara Z. Novak; Hank van Duijnhuizen, Senior Vice President of Danaher’s dental platform; Damien McDonald, Group President, Professional Consumables; Stanzi Prell, President Commercial, EMEA, KaVo Dental; and Dr Cynthia Brattesani, dentist thought leader and speaker.** (Photo/Sierra Rendon)

**Carsten Franke, Senior Director Global Marketing KaVo Kerr Group, and guests.** (Photo/Sierra Rendon)
Show Review IDS Cologne 2015

Michael Filipichthaler showed attendees the ESTETICA E70/E80 treatment unit at the KaVo Kerr Group booth. (Photo/Sierra Rendon)

Nadine Schaulinger, International Product Manager at KaVo, shows images from the KaVo DIAGNocam. (Photo/Sierra Rendon)

Attendees check out the KaVo ARITECA CAD/CAM materials. (Photo/Sierra Rendon)
Show Review IDS Cologne 2015

Live surgeries at the KaVo Kerr Group booth: Jochen Kania speaks about modern 3D scanning to an accurate in-office restoration. (Photo/Sierra Rendon)

IDS visitors were introduced to the Lythos intraoral scanner. (Photo/Sierra Rendon)

Dr Friederike Litzenberger demonstrates the use of the DIAGNOcam to a crowd at the KaVo Kerr Group booth. (Photo/Sierra Rendon)

IDS attendees gather round the CAD/CAM area at the KaVo Kerr Group booth. (Photo/Sierra Rendon)

KaVo Kerr Group staff in talks with IDS visitors. (Photo/Sierra Rendon)

Also on display was the Everest. (Photo/Sierra Rendon)
In office prosthetic solution
A groundbreaking new in office prosthetic solution for dentists and implant specialists.
- KaVo has taken a totally new approach to in office prosthetics that allows doctors to produce a wider range of restorative indications with superior anatomical precision.

KaVo Lythos
Intraoral scanner
- Replaces traditional impressions
- Captures highly detailed images fast and easy without powder.
- Open Interfaces
- Comfortable tip

Remote Design Service
You take the digital impression, we make the design.
- Real time prosthetic design service
- Scan the patient using the new intraoral scanner KaVo Lythos
- KaVo certified dental technicians create the restoration design and send it back to you
- Mill the restoration with your KaVo ARCTICA Engine inhouse

ARCTICA Engine
Wet Milling And Grinding Unit
- Outstanding 5-axis simultaneous milling and grinding unit delivers superior results
- Open Interfaces
- High Quality Restorations

KaVo Preformed Abutments
Safe time and money with in house fabrication
- Restore implants on the day of placement with in office custom abutments and temporary crowns
- Mill customized titanium abutments
- Mill implant crowns
- High biocompatibility

KaVo 3D eXam+
Cone Beam 3D system
- Quickscan + low dose technology
- Visual IQuity imaging technology for optimized 3D image quality
- i-Collimator for individual size of the FoV
- SmartScan Studio touchscreen operation for an even faster workflow

KaVo OP300 Maxio
Completely versatile 3-in-1 imaging system
- Low Dose Technology for high image quality at very low radiation
- Maximum flexibility due to 5 Fields of View (FOV)
- Easy, intuitive operation thanks to the newly designed touch-panel user interface

CliniView 11
Imaging software
- New database concept with iPad and browser app allows access from any device – PC, Mac, iPad, Android Tablet and Smartphone
- Ready for future cloud services

Dental Teacher
System for fast and objective tooth preparation validation
- Objective, computer-based validation
- Time saving: only two minutes for scan and evaluation
- Result in metrics with clear graphics
- The Dental Teacher System includes a 3D scanner, PC and 3 software modules.
**MASTERmatic**

*High speed handpiece series*
- 20% Smaller head size for best access and view
- Maximum precision thanks to Triple Gear technology
- Uniquely reliable with carbide metal chucks

**MASTERtorque mini**

*Top-end turbine*
- Smaller head for better access
- DST active brake system stops the bur within one second
- Silent operation up to 59 dB(A)
- High Power with up to 19 Watt

**MASTERsurg**

*Customizable surgical unit*
- SMART drive technology for high torque and minimum vibration at start
- Graphical real-time display of torque and digital data
- One Touch Auto Calibration
- Wireless Foot Control

**PROPHYflex Perio**

*The PROPHYflex perio tip enables the subgingival and supragingival cleaning with the PROPHYflex*
- Markings for better overview over treated areas
- Slim shape for great access
- Focussed stream for targeted air-polishing

**ESTETICA E70/E80**

*Treatment unit with innovative suspended chair*
- New design for optimum ergonomics
- Hygiene center with automated cleaning programs
- Modern patient communication with integrated intraoral camera
- New KaVo HD Touch Screens

**ESTETICA E50 Life**

*Patient chair*
- New design for optimum ergonomics
- Modern patient communication with integrated intraoral camera
- Unique software system CONEXIO for direct access to relevant patient data

**CONEXIO**

*System software*
- CONEXIO supports the daily workflow with intelligent functions and easy operation
- Direct access to relevant patient data before and during treatment
- Simple network configuration and automatic installation of hardware components

**KaVo Kerr**

*Digital Services*
- Powered obturation unit with no strings attached
- Predictable results: high quality 3D fill
- Ease of use: motor-driven extruder for better control and tactile feel
- Intuitive: easy set-up, friendly handling, full control for safe results

**Kerr**

**Maxcem Elite**

*Self-etch, self-adhesive resin cement for indirect restorations*
- Enhanced bond strength
- One-peel clean up
- Compatible with all indirect restorations, anterior or posterior ceramics, FPDs and metal restorations, and CAD/CAM materials

**Cleanic Berry Burst**

*The one-step prophylaxis paste*
- Patented PeriLite technology featuring integrated abrasion variability
- All-in-one: universal prophylaxis paste guarantees outstanding results
- Time saving: from cleaning to polishing in one step
Kerr

elements free

Powered obturation unit with no strings attached
• Predictable results: high quality 3D fill
• Ease of use: motor-driven extruder for better control and tactile feel
• Intuitive: easy set-up, friendly handling, full control for safe results

Kerr

Herculite XRV Ultra Flow
NanoHybrid Flowable Composite
• Outstanding flexural strength
• Easy polishability
• Excellent gloss retention

Kerr

SonicFill 2
Sonic-activated bulk-fill composite
• One-step filling system
• No voids
• High depth of cure, low shrinkage

GENDEX

GXPS-500
Intraoral imaging plate system
• Film-like workflow with the benefits of digital imaging
• Image readout in 5 to 7 seconds
• Eliminate chemicals to create a safer work environment
• Always-ready function for instant image acquisition

GENDEX

GXDP-800
Upgradable 2-in-1 Imaging System
• Dose Reduction Technology DRT
• PerfectScout preview function offers precise FOV positioning
• FOX Technology (Focus Optimized X-ray) features a Y-shaped X-ray beam for optimized projection

i-CAT

i-CAT FLX
Award-winning Cone Beam 3D System
• Visual Quality Technology
• QuickScan+ For Low Dose Scans
• Ergonomic Stability System ESS

SwishActive

Bone level implant
• Conical Connection
• Platform Switching
• Compression Threads

INSTRUMENTARIUM

ORTHOPANTOMOGRAPH OP300 Maxio
Completely versatile 3-in-1 imaging platform
• Panoramic, Cephalometric and Cone Beam 3D
• Revolutionary Low Dose Technology LDT
• Automatic Dose Control ADC
• 5 FOV from 5.65 cm to 13x15 cm

INSTRUMENTARIUM

Express Origo
Intraoral imaging plate system
• Comfortable imaging plates are as easy to position as film
• Shows diagnostic information even in the smallest detail
• Fluent and smooth workflow

INSTRUMENTARIUM

ORTHOPANTOMOGRAPH OP30
Digital 2D Panoramic
• Distinctive design
• Reliable quality
• Professional tools for standard panoramic imaging needs
**Nomad Pro 2**
Handheld X-ray generator
- Battery-powered X-ray system
- 100s of exposures per charge
- 2 Interchangeable handset grips

**Orascoptic**
EyeZoom
- First and only adjustable magnification loupe
- 3 Magnification levels from 3x-5x
- HD Resolution
- Lightweight magnesium bezel

**Ormco**
**Lythos**
Digital Impression system
- 1 Convenient scanning method creates data for all intended appliances and records
- Lightweight ergonomic wand is attached to the easily transportable unit
- Innovative video technology capturing data in real time

**Ormco**
**DamonClear 2**
The only 100% clear self-ligating bracket
- 2x Times the rotational control due to a new ultra-precision slot for meticulous finishing and faster treatment
- Patented SpinTek slide for easy wire changes
- Patented laser-etched pad for optimal bond strength and reliability

**Soredex**
**Cranex 3D**
Versatile panoramic with Cone Beam 3D and cephalometric options
- Fast and low dose 3D imaging with Soredex Minidose solution
- Diagnostic value in implantology and a special high resolution 3D imaging developed for accurate endodontic treatment planning
- 2 FOVs: 6x4 and 6x8 cm

**Soredex**
**Cranex 3Dx**
3-in-1 imaging system with two optional large fields-of-view
- 5 FOVs: 5x5, 6x6, 8x8 cm standard and optional 8x15 and 13x15 cm
- Unique AES hybrid: Automatic Exposure Settings in panoramic, cephalometric and 3D imaging
- Application areas cover the whole craniomaxillofacial region

**Soredex**
**Cranex Novus e**
Easy-to-use digital 2D Panoramic
- Fast – adult panoramic image in only 9 seconds
- Sectional panoramic programs (5 freely selectable regions)
- Accurate patient positioning

**Soredex**
**DiGora Optime UV**
Intraoral imaging plate system
- Unique end-to-end hygiene concept
- Improved image resolution and 2-year warranty
- Intraoral sizes 0, 1, 2, 3 and Comfort Occlusal C4
What do you have in common with 99% of dental professionals around the world...
...our outstanding portfolio of award-winning brands that you use and trust everyday.

KaVo Kerr
Group
Inspiring best practices
KaVoKerrGroup.com
“I can recommend the OP300 Maxio in good conscience”

An interview with dentist and implantologist Dr Frank Liebaug

With the ORTHOPANTOMOGRAPHY OP300 Maxio, a device that offers numerous advantages to both specialists and general dental practitioners, the KaVo Kerr Group presented an innovation in the field of 3D imaging at this year’s International Dental Show. Dr Frank Liebaug’s practice for laser and implant dentistry was the first German practice to be able to test the wide range of treatments, from single-tooth implants to major oral and maxillofacial surgery and the planning of orthognathic surgery.

The wide range of examination areas in comparison to competitors, and, at the same time, the option of very high resolution, namely about 85 µm, were two particularly important criteria for me when selecting an X-ray and 3D imaging system.

Were there any other aspects and properties that affected your decision to opt for the OP300 Maxio?

Another aspect that is important to me is the Low Dose Technology, which, despite very low radiation exposure, allows for easily evaluable presentations that are made possible thanks to features such as the automatic beam adjustment known as Automatic Dose Control (ADC). The ADC function takes into account the patient’s anatomy, which in turn leads to an improvement in image quality and image information despite the low radiation dose.

Another special feature is the Automatic Spine Control (ASC) function. With panoramic tomographic imaging, the image information in the frontal region is usually not as good as in the lateral areas due to the superposition of the spine. Through the application of ASC, the automatic dosage is readjusted so that an optimal image quality is achieved especially for this area, eliminating the need for additional recordings. This reduces the patient’s radiation exposure.

The Automatic Facial Contour function (AFC) is also relevant for orthodontics or orthognathic operations in which images of the facial contour are required. When performing the X-ray, this automatic function somewhat lowers the exposure factors in the facial skull so that the soft parts, such as nose, cartilage, skin and subcutaneous components can be well represented at a further reduced radiation dose.

Finally, I would like to talk about the metal artefact reduction function (MAR). This technology reduces the influence of scattered radiation that occurs in very dense structures in the X-ray volume. This improves the representation of teeth with filled root canals and endodontic posts in particular, and allows for better assessment of the immediate area around metallic implants. This is another function that I don’t want to miss in the future.

With your practice focus on implantology, how has the OP300 Maxio become part of that workflow? What are the differences in terms of treatment planning or other aspects of care?

“OP300 Maxio makes implantology less risky and easier in its clinical implementation.”

The OP300 Maxio allows for comprehensive pre-implantation diagnosis, which provides increased safety both for me as a physician and also for the patient. We can use the device to successfully represent and measure the bone supply, vulnerable anatomical structures and nerve exit points in advance. This then allows us, for example, to draw conclusions about the nerve paths and leads to a significant reduction in the risk of injury during the operation. As a treating physician, I can use the diagnostic spectrum of the OP300 Maxio to work out what to expect in advance, and will not be met with any unwanted surprises during surgery.

The total time of treatment, including diagnostics, measurement and evaluation time may not be reduced directly, but the operation time is probably reduced thanks to the improved options for pre-orientation and planning of access routes. The OP300 Maxio also provides the option of connecting the supplied evaluation software to a program for the production of drilling templates, which once again increases the patient’s safety. When used correctly, the OP300 Maxio makes implantology less risky and easier in its clinical implementation.

How do your patients react to the OP300 Maxio?

The patients have consistently demonstrated a positive response. On the one hand, they noticed that an innovative new device has been introduced into the practice, which provides us as a treatment team with a high information content. On the other hand, communication with patients has also generally improved, both in terms of the pre-operative explanation and the provision of information during continued treatment. The patient can visualize the treatment much better using the 3-D representation rather than a 2-D image. This enables me, as a dentist, to better explain the risks to the patient on the one hand, and the reasons for choosing the respective surgical procedure or treatment on the other hand.

How would you advise colleagues who are thinking about purchasing an imaging system like the OP300 Maxio?

He or she should first consider the range of treatments available in his or her practice or clinic and the direction he or she would like to develop in the future. Building on that, he or she should compare the devices that are currently on the market that offer the best possible choice of volume sizes and highest possible resolution for his or her indication, and that have low radiation exposure despite very good pictorial representation—a factor that will become increasingly important for precisely choosing the future when selecting their practice.

When selecting new technologies, one should always be aware that the quality of an X-ray or a three-dimensional volume representation and the diagnostics that are made based on this representation can be crucial for the success or failure in a patient’s treatment. In this regard, I can recommend the OP300 Maxio in good conscience.”

“...and planning of access routes. The OP300 Maxio also provides the option of connecting the supplied evaluation software to a program for the production of drilling templates, which once again increases the patient’s safety. When used correctly, the OP300 Maxio makes implantology less risky and easier in its clinical implementation.”

How do your patients react to the OP300 Maxio?

The patients have consistently demonstrated a positive response. On the one hand, they noticed that an innovative new device has been introduced into the practice, which provides us as a treatment team with a high information content. On the other hand, communication with patients has also generally improved, both in terms of the pre-operative explanation and the provision of information during continued treatment. The patient can visualize the treatment much better using the 3-D representation rather than a 2-D image. This enables me, as a dentist, to better explain the risks to the patient on the one hand, and the reasons for choosing the respective surgical procedure or treatment on the other hand.

How would you advise colleagues who are thinking about purchasing an imaging system like the OP300 Maxio?

He or she should first consider the range of treatments available in his or her practice or clinic and the direction he or she would like to develop in the future. Building on that, he or she should compare the devices that are currently on the market that offer the best possible choice of volume sizes and highest possible resolution for his or her indication, and that have low radiation exposure despite very good pictorial representation—a factor that will become increasingly important for precisely choosing the future when selecting their practice.

When selecting new technologies, one should always be aware that the quality of an X-ray or a three-dimensional volume representation and the diagnostics that are made based on this representation can be crucial for the success or failure in a patient’s treatment. In this regard, I can recommend the OP300 Maxio in good conscience.”
How to achieve simplicity and predictability in using bulk fill composites

How the SonicFill 2 system facilitates optimal results in posterior restorations.

by Mattia Marelli, Product Manager, KerrHawe SA

While not a new concept, the popularity of bulk fill composite materials has grown rapidly in recent years. And, it is easy to understand why: these products reflect an unmet need to simplify one of the most tedious and exacting dental procedures—posterior resin composite restorations.

KaVo and Kerr addressed this need by leveraging their respective areas of expertise to deliver SonicFill, a posterior composite system that improves adaptation, provides better scleroplasticity, lowers shrinkage stress, improves curing characteristics, and has the strength, durability and aesthetics one would normally expect from a posterior composite.

SonicFill is the only bulk fill composite able to combine all the placement advantages of a flowable with the strength of a highly filled resin composite, in a single material. Kerr’s SonicFill composite incorporates special modifiers that react to sonic energy delivered by the KaVo handpiece. These modifiers dramatically lower the viscosity of the composite during placement, providing superior adaptation to the cavity walls and reducing the voids, gaps and seams typically found between composite blocks. This property also returns to a non-slumping, sculptable state, making contouring anatomy fast and efficient. Along with a 5 mm depth of cure and less shrinkage stress than a layered composite, SonicFill allows dentists to reliably place most posterior restorations in just one step.

Kerr, a Danaher company, and part of the KaVo Kerr Group, is one of the world’s leaders in dental and endodontic equipment and instrumentation. “Customers talk, we listen,” is the driving force behind all new product introductions, and the reason the KaVo Kerr Group maintains this market leadership position today. SonicFill is KaVo Kerr Group’s response to the clearly articulated customer need for a reliable and easy placement technique for posterior restorations without clinical compromise.

Customers have enthusiastically embraced the SonicFill system, finding that it makes appointments less stressful and outcomes more predictable—benefiting both the doctor and the patient.

KaVo Kerr Group is committed to supporting and expanding its exclusive innovation all around the globe, and is happy to announce SonicFill 2, to be introduced in the first half of 2015. SonicFill 2 offers improved aesthetics and even easier use in making a product so many clinicians have come to love even better. More importantly, it retains all of the important characteristics that make it safe and effective as a single-step posterior composite system.

If you have not had a chance to view SonicFill, make sure you take the time to try it. You will see why so many doctors claim they would not want to practice without it, and why it is responsible for so much of the growth in popularity of the bulk fill composite category around the world.

First in quality brings next-generation instruments

Highlighting the latest from KaVo instruments: MASTERmatic and MASTERtorque Mini

In this interview with Andreas Thanner and Thomas Birk, Senior Product Managers at KaVo, get into some of the details behind the MASTERmatic release and its importance to the overall handpiece category.

KaVo introduced the MASTERmatic series at the 2015 International Dental Show. Why is this a meaningful launch for KaVo?

With the launch of the new MASTERmatic series, KaVo will cement its role as the leading innovator in the premium segment. The MASTERmatic series has a new design and new product features and will—after 12 years—replace the premium GENTLEpower series.

What is the most significant improvement to the MASTERmatic series?

Without a doubt, the head size reduction of the speed-increasing instruments in the market with a triple gear system, delivering a smooth and vibration-free performance. Some users will notice that we adapted the MASTERmatic design to the well-received MASTERtorque turbine, introduced at the last IDS.

What else makes KaVo the leading innovator for dental handpieces?

Over the years, KaVo has registered over 2,200 patents. Our ideas come directly from listening closely to customer needs. For example, the carbide bur guide for speed increasing instruments guides the dental burs and guarantees the best concentricity and durability, especially during crown or bridge cutting. The bar guide got assembled in over 1 million instruments, so this proves that our customers appreciate such unique features. Maintenance requirements for dental handpieces are getting stricter. How does this affect KaVo instruments?

We are very well prepared. For years, KaVo has upheld a very high internal standard. Internal tests are up to four times longer than required. The well-known KaVo Plasmatron coating guarantees excellent hygiene and a perfect grip, even after years of use.

What is the Direct Stop Technology (DST)?

The DST is an active brake system that stops the bur within one second. This is a major safety feature to secure that there is no rotating bur, when the dentist removes the turbine from the mouth or when they want to change the bur very fast.

Another big advantage is that when the patient makes a fast movement, the risk of contacting the cheek with the rotating bur is significantly reduced. With this safety feature there is no need to avoid working with a turbine and the dentist can get the full advantages of a light turbine and the special bapping advantages.

A further technical point is that the DST stops the risk of abrasions into the turbine.
elementsfree

OBTURATION SYSTEM

Powered obturation with no strings attached.

- Predictable results
- Ease of use
- Intuitive

elementsfree is a cord-free innovation with breakthrough technology based on the popular Elements Obturation Unit (EOU).

www.KerrDental.de