Prosthodontist achieves same-day dentures with NextDent 5100

Dr. Michael Scherer transforms patient experience and expedites dental production with the NextDent 5100 3D printer

Dr. Michael Scherer is a prosthodontist in Sonora, California, located ten miles from the heart of the Stanislaus National Forest and 100 miles southeast of Sacramento, the nearest city.

Due to Dr. Scherer’s rural location, his patients typically travel anywhere from 30 minutes to several hours to get to his office. For dentures, implants and bridgework, multiple visits are common practice to address various stages of traditional fitting and delivery. The need for multiple appointments to achieve a conventional restoration can make seeking treatment time consuming and challenging for the patient; a burden Dr. Scherer hoped to alleviate through in-house 3D printing. Dr. Scherer reports that the addition of the NextDent 5100 printers to his office has accelerated his workflow and changed his patients’ experience, and says he can no longer imagine his practice without them.

Fast print speeds enable same-day dentures

The new capabilities in dental care enabled by the speed, accuracy and esthetics of the NextDent 5100 3D printer have helped Dr. Scherer deliver a superior patient experience. In particular, the ability to cut total denture delivery time from five or six appointments to a process that can be completed in the same day for elderly patients who rely on others for transportation to and from appointments. Dr. Scherer says this new capability makes treatment possible by removing logistical barriers: “The NextDent 5100 enables me to do things in my office—like expedited dentures—that I couldn’t do before, and it’s having a real impact on my patients’ lives.”

3D Systems’ NextDent materials are biocompatible and CE-certified, and are available in a wide selection to answer a broad range of clinical needs. This allows Dr. Scherer to use the NextDent 5100 not only for same-day, long-term dentures, but for expedited implants, crowns, bridges, bite guards and more. “Combining intraoral scanning technology with fast, accurate and aesthetic 3D printed teeth is the great, bring-it-all-together moment we’ve been waiting for in dentistry for years,” Dr. Scherer says.

To illustrate his case, Dr. Scherer cited an anonymous example of a patient who was moved to tears after receiving their denture in a same-day appointment. “I got the NextDent 5100 for patients like that, who need an option for treatment that makes it feasible,” Dr. Scherer says. Due to the loss of a loved one, the patient told Dr. Scherer they could no longer make multiple long drives for sequenced appointments. Understanding that, Dr. Scherer assured them the denture could be done in a single visit using innovative methods.

Eager for treatment, the patient made an appointment and came in in the morning for an intraoral scan. Dr. Scherer used the digital model to plan the denture, and his assistant ran the 3D printing. Dr. Scherer reports that he is now able to accommodate patients with multiple long drives for sequenced appointments. Understanding that, Dr. Scherer assured them the denture could be done in a single visit using innovative methods.

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ZirCAD MT Multi
The most esthetic high-strength, multi-translucent\(^1\) zirconia

\(^1\) Composed of different material classes
mectron multipiezo – a benchmark in the field of ultrasound scalers

By mectron s.p.a.

Being exceptionally user-friendly, the multipiezo by mectron is not only a flexible ultrasonic device for dental prophylaxis interventions - but the optimal assistant for every dentist or dental hygienist. Besides the classical supragingival scaling it can be used for subgingival debridement as well as for implant cleaning.

Thanks to its innovative design and its self-explaining ergonomics the multipiezo sets new standards in daily use management and hygiene. Its ergonomic touch panel lets the user control all functions fast and intuitive - without having to study the instruction manual at all. Due to its smooth touch surface, it can be cleaned and disinfected much easier than other devices.

The intelligent mectron piezoelec- tric ultrasound technology makes treatments even more comfortable for the dentist as well as the patient: during the therapy, it balances external factors, adjusts power level automatically and provides the special soft mode. This innovative function avoids excessive ultrasound oscillation, allowing a gentle and efficient insert movement. Results: nearly painless treatment for patients and maximum comfort for clinicians. While the pulse mode function allows the best performances in prosthetics and extractions. All these make the mectron multipiezo an innovative and unique combination of intelligent technology and functional design.

The integration of a 360° adjust- able LED handpiece makes working with the multipiezo even easier: the source of light can be directed right to the spot of activity. The 100 ml liquid holder is illuminated and can get exchanged quickly and easily for the maximum flexibility in irriga- tion choice.

With over 45 inserts available, mect- ron is offering one of the largest ranges of ultrasound prophylaxis tips in dentistry. The unique technol- ogy, the perfect ergonomics and the maximum flexibility are the reasons why mectron defines with the mul- tipiezo the new benchmark for ultra- sound prophylaxis units.

For more information contact:
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Tel: +39 0185 351374
Fax: +39 0185 351374
E-mail: mectron@mectron.com
Web: www.mectron.com
www.vse-love-prophylaxis.com

Fill-Up! – The new dual-curing bulk composite

By Collene

Worldwide, dental practitioners are convinced of this innovative, effi- cient latest generation bulk compos- ite. Overwhelming feedback since its launch only few months ago shows how great the demand has been for a solution like Fill-Up! This is COL- TENE’s response to the disadvantag- es inherent to light-curing treatment methods and has resurrected the discussion on bulk filling materials. New techniques and has resurrected the study on bulk filling materials.

Guaranteed and fast curing – even with the deepest cavities
No matter which filling depth is re- quired, the light and chemical poly- merisation properties of Fill-Up’s two different techniques. In addition, the shrinkage forces are considerably less pronounced for chemical poly- merisation, which supports the qual- ity of marginal integrity.

Even the largest cavities can be filled with the Fill-Up! single-layer tech- nique quickly and easily, making it the bulk filling material. Following the application of Fill-Up! completion of the filling is possible immediately as light-curing only requires 5 seconds. The excellent mechanical properties make a covering layer superfluous. Due to the high self-bonding of the material, a single universal shade (Vita A2-A3) is sufficient for the posi- torial region. Presentation in the practical automatic syringe makes applica- tion easy and efficient.

Two, working in perfect harmony Fill-Up! and the multiple award- winning Paraf bond adhesive system are matched perfectly. Paraf bond ac- celerates polymerisation at the mar- gins and thus improves the marginal integrity of the filling. Study results from the University Geneva con- firm best marginal sealing values. This helps to avoid secondary caries and lays the foundation for a reliable long-term restoration.

The universal composite Fill-Up! is comes in the useful 3.9g automatic- syringes. Due to the purpose-built colour, between A2 and A3, there is no need for complicated colour- management within the posterior region.

For further information, please contact:
Collene/Whaledent AG
Feldmargenstrasse 20
9450 Altstätten SG / Switzerland

ONE COAT 7 UNIVERSAL – All-purpose universal bond

By Collene

State-of-the-art, self-etching adhe- sive systems are easy to apply and boost the success rate significantly, especially within restorations in the posterior area. Simultaneously they stand for predictable results, inde- pendent of the applied basis or the preferred application technique of the dentist. Coming to reliability and user-friendliness, research and de- velopment has now set new material standards.

Reliably adhesive agent on dentin and enamel!
The new ONE COAT 7 UNIVERSAL was developed on the basis of the favoured ONE COAT 7, and it is a re- liable All-in-One Bond for every indica- tion. Whether self etch, selective enamel etch or total etch technique, a single drop bonds light-curing fill- ing materials easily, quickly and is long-lasting. ONE COAT 7 UNIVERSAL is an excellent adhesion promot- or on enamel and dentin, thus is a guarantee for safe restorations even in extraordinary cases. With only a single bonding layer it provides consistently high bonding strength, excellent marginal sealing and excel- lent marginal integrity. These excep- tional clinical values are consisting even when compared with conven- tional system adhesives.

In conjunction with ONE COAT ACTI- VATOR it is optionally also possible to use a chemically cured product. You will always be making the right choice with the light-curing single- component adhesive One CoaT 7 Universal. The new ONE COAT 7 UNIVERSAL is available as introductory kit with a 5ml bond bottle including etch gel and acces- sories. There are also practical single dose units for one-off use. These are also offered as refill packs in addition to the 5ml bond bottle.

For further information, please contact:
Collene/Whaledent AG
Feldmargenstrasse 20
9450 Altstätten SG / Switzerland
ONE-COAT 7 UNIVERSAL
One component light cured universal adhesive

- Self-Etch, Selective Etch and Total Etch, one bond for all adhesive techniques
- With activator for chemical curing products
- Excellent shear bond strength to enamel and dentine

oc7universal.coltene.com

Fill-Up!
Filling in a single step – **Hole in One**

- Optimal depth polymerisation with minimal shrinkage due to dual curing system restoration
- Guaranteed single-layer technique – even in very deep cavities of 10mm
- Optimised sealing of margins – reduced post-operative sensitivity
- Universal shade in a convenient Automix syringe for efficient placement

**Deep. Fast. Perfect.**

dietmar.goldmann@coltene.com | P +41 71 757 54 40
The Red Dot Award Product Design
for Primescan
Digital impressions and outstanding design

By Dentsply Sirona

Dentsply Sirona introduced Primescan in February as an innovation in digital impressions. The new intraoral scanner has now been awarded the highly renowned Red Dot Award for Product Design 2019. This award acknowledges Dentsply Sirona’s goal of developing attractive and highly functional solutions for its customers that provide valuable results in everyday use.

Strong design and sustainable products - there were the emerging trends at this year’s Red Dot Awards Product Design. Primescan, the new intraoral scanner from Dentsply Sirona, was one of the award winners. “We are very pleased to receive this award, which we consider to be an acknowledgement of our efforts to provide our customers with products that are of high quality in all aspects,” said Dr. Alexander Vökel, Group Vice President CAD/CAM and Orthodontics at Dentsply Sirona. “Thanks to its design, Primescan is easy to handle in the normal practice environment; it reliably delivers accurate and consistent results, and it is just fun to use.”

Primescan features improved impressioning technology that scans with an impressive level of accuracy. This makes Primescan a remarkable response to an important requirement in modern practices. After scanning, the data from the digital impressions are available for many applications, both in restorative dentistry and in implantology and orthodontics. The globally acknowledged Red Dot Award has been awarded to outstanding products, design concepts, and communication designs for more than 60 years. This year, the 99-member jury of independent designers, design professors, and journalists rated a total of 5500 products from 55 countries in 48 categories. The most important criterion for awarding the coveted prize is high design quality.

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

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The new Orthophos Society:
The perfect partner for your practice

By Dentsply Sirona

Developing solutions for the individual needs of a dental practice - at Dentsply Sirona, this also means providing both new users and specialists with tailored services for X-ray units. These ideas were very important for the new Orthophos Society, which provides solutions for different requirements with a clear functional- ity.

The three models in the Orthophos series, Orthophos E, Orthophos S and Orthophos SL each provide a different range of services that perfectly cover every desire for imaging systems that dental practices have specified. All models feature a function using the award-winning Sidexis 4 imaging software. They provide an outstanding image quality with a low dose and a high level of user comfort. Due to this diversification, both entry-level users and specialists will find the right service package for them.

Orthophos E – for a simple start to digital imaging

With Orthophos E, you can access the world of digital extraoral imaging for more efficiency in the daily practice routine. Thanks to its optional cephalometric arm, Orthophos E is also suitable for the orthodontic practice. With its panoramic, pediatric panoramic, imaging and other exposure programs, it is equipped with all the basic programs for the diagnosis process in 2D. Its MultiPad enables the patient-friendly selection of the program. The motorised forehead and temple support helps to stabilise the patient. The integrated temple width measurement also enables the appropriate orbital curve to be selected automatically for results with outstanding image quality.

Orthophos S – the 2D/3D all-rounder in the practice

Orthophos S can be used either as a purely 2D device, or alternatively as a combined 2D/3D intraoral scanner equipped with a cephalometric arm. Orthophos S achieves its enhanced contrast in panoramic images using the auto-focus function. In addition, the shape of the jaw arch or the existence of tooth anomalies no longer need to be selected manually. This is also true when setting a canine light localiser. The patented occlusal bite block assists with the automatic positioning of the patient and thus enables reproducible and perfectly positioned panoramic images. Depending on the clinical problem, there are comprehensive 2D programs or a number of volume sizes (9 cm x 5 cm to 9 cm x 9 cm) in high definition (HD), standard definition (SD) and low dose mode available. Even more patient comfort. Its modular design, which is compatible with the dosage range of a 2D image, makes Orthophos S an all-rounder in the practice.

Orthophos SL – the innovation leader

Orthophos SL is the innovation leader and provides the “all-round package” for digital imaging. The version with the most comprehensive range of equipment with the Direct Conversion Sensor (DCS) and Sharp Layer (SL) technology caters to all users with the highest requirements for panoramic and 3D imaging in their daily practice routine. Its patented occlusal bite block assists with the automatic positioning of the patient and thus enables reproducible and perfectly positioned panoramic images. Depending on the clinical problem, there are comprehensive 2D programs or a number of volume sizes (9 cm x 5 cm to 9 cm x 9 cm) in high definition (HD), standard definition (SD) and low dose mode available. Even more patient comfort. Its modular design, which is compatible with the dosage range of a 2D image, makes Orthophos S an all-rounder in the practice.

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E-mail: MENA.Marketing@dentsplysirona.com
Speakers Highlights

Date: 08-09 November 2019
Venue: InterContinental Hotel, Dubai Festival City, Dubai, UAE

Lecture 1: How to Improve the Prosthetic Rehabilitation from the Aesthetic and Tissue Health Point of View
Prof Domenico Bald, Italy

Lecture 2: Sinus Lift from Crestal Approach
Prof Brian Millar, UK

Managing Aesthetics and Tooth Wear the MI Way
Prof Atttila Horvath, Hungary

GBR and GTR. The Magic Bullets for Implant and Perio?
Asst Prof Attila Horvath, Hungary

Translating Biology into Successful implant Dentistry.
Prof Peter JM Fairbairn, South Africa

Oral Rehabilitation Influencing Smile Design and Facial Aesthetics
Prof Jean-Marie Megarbane, Lebanon

Implant Site Optimisation Using Ossaeodensification
Dr Costa Nicolopoulos, Greece

Interdisciplinary v/s Multidisciplinary Treatment of Maxillofacial Trauma in the Aesthetic Zone
Dr Nadim Aboujaoude, Lebanon

What Should we Assess Before Approaching with any Device or Debridement Instrument to Maintain our Restored and Healthy Patient?
Consolata Pejrone, Italy

Innovative Periodontal Laser Treatment Concept with Additional Attention to Gingival Recontouring and Depigmentation
Prof Dr med dent Norbert Gutknecht, Germany

Non-Invasive Teeth Discoloration Treatment.
Modern Aspects of Enamel Remineralising Therapy
Prof Andrey Akulovich, Russia

How to Achieve Long-term Aesthetic Success in Implant Rehabilitation
Dr Maurizio Martini, Italy

Top Up Your Dental Plan with Facial Aesthetics
Dr Rami Haidar, UK

Digital Implant Workflows Maximising Clinical Outcomes
Dr Marcus Dagnelid, Sweden

Zygomatic Implant Solutions to Treat Sever Atrophy of the Maxillary
Dr Nicolas Boutin & Dr Bernard Cannas, France

Full Ceramic Restoration: The Art Meet Layering Ceramic Restoration
Mike Prosperino, Italy

Injection Moulding Technique: Easy aesthetics, predictable outcome
Dr Simone Moretto, Brazil

What Should we Assess Before Approaching with any Device or Debridement Instrument to Maintain our Restored and Healthy Patient?
Consolata Pejrone, Italy

Hands-On Courses

Date: 06-10 November 2019

07 November 2019 | CAPP Training Institute
Reconstruction of Large Ridge Defect by Particulated Grafts and Membranes as a Prerequisite for Successful Implantation
Ass. Prof Attila Horvath, Hungar

07 November 2019 | CAPP Training Institute
Superior Outcome Using PIEZOSURGERY in Daily Practice
Prof Domenico Baldi, Italy

06-07 November 2019 | CAPP Training Institute
Minimal Invasive and Non Prep Veneers Smart Smile Design with Veneers
Asst Prof Dr Cagdas Kisaoglu, Turkey

06-07 November 2019 | CAPP Training Institute
All What you Need to Know About Composites
Dr Eduardo Mahn, Chile

09 November 2019 | CAPP Training Institute
A Comprehensive Approach for the Dental and Periodontal Patient
Consolata Pejrone, Italy

10 November 2019 | CAPP Training Institute
Zygomatic Implant Solutions to Treat Sever Atrophy of the Maxillary
Dr Nicolas Boutin & Dr Bernard Cannas, France

09-10 November 2019 | CAPP Training Institute
Ceramic Veneers: From the Diagnosis and Preparation to the Temporisation and Cementation
Dr Eduardo Mahn, Chile

09-10 November 2019 | CAPP Training Institute
Modern Dentistry without Erbium Laser Therapy is NOT Modern
Prof Dr med dent Norbert Gutknecht, Germany

10 November 2019 | CAPP Training Institute
Tooth Wear Treatment: Modern strategies to restore aesthetics and function
Prof Brian Millar, UK

07 November 2019 | CAPP Training Institute
Dental Technicians Supernatural – “How do you Make in a Simple Step Supernatural Artificial Teeth”
Mike Prosperino, Italy

09 November 2019 | CAPP Training Institute
“Injection Moulding Technique”: Easy Aesthetics, Predictable Outcome
Dr Simone Moretto, Brazil

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Web: www.cappmea.com/aesthetic-dentistry
3sential Kit By Werestore: It—The easiest way for restoratives

By Hu Friedy

In collaboration with Weltevree it by Drs. Gaetano Paolone and Salvatore Scolavino, doctors with expertise and the passion for restorative den-
tistry, Hu Friedy announces the new simplified basic kit for direct and in-
direct restorative procedures: 3SEN-
TIAL KIT.

Starting from the necessity of some-
ting essential and easy to use, 3SEN-
TIAL KIT is ideal for both clini-
cians and young students who want to save precious time in their dental office during restorative procedures and are willing to achieve remark-
able aesthetic and functional results.

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The easiest way for restoratives

starting to measure possibilities

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Things (IoT)—essentially, devices

Harnessing the Internet of Things in dentistry

"The future of dentistry will be driven by data.

From digital dentistry to data-driven dentistry

The easiest way for restoratives

By Aleksandra Nyholm, Planmeca

HELSINKI, Finland: Digital dentistry has been talked about as the future of the industry for nearly two de-
ades, but as digital dental technol-
yogy gradually shifts from new to normal in the dental clinic, where is dentistry heading next? The answer is likely to be found in one small four-letter word: data.

Digital dentistry has been the oftten-
cited future of dentistry for well

Digital dentistry has been the oftten-
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"The concept behind the Posterior is very simple: we wanted to go from a Plug and Play to a Plug and Sculpt method", says Dr. Scolavino of Welte-

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Continuous Perfection from the Perfect White Range

By Beverly Hills Formula

Dental professionals across the Middle East will have undoubtedly heard of Beverly Hills Formula, a brand that has successfully carved their name as unrivalled experts in oral care and at-home teeth whitening. The brand are the proud creators of the Perfect White Range, which has been making waves with both dental professionals and consumers since its launch in 2012. Never before had the market seen such a range – with bold daring colours with bold statements to match.

Since the range hit the shelves, global sales have been increasing rapidly – notably in the Middle East where the brand has seen a huge demand for the colourful range of whitening toothpastes and mouthwashes as well as the popular whitening kit. Products in the range are non-abrasive, kind to enamel and remove up to 99% of surface stains so it is not difficult to see why the range has become a must have for consumers worldwide.

The range consists of Perfect White Black, the brand’s hero product. The toothpaste is scientifically formulated with Activated Charcoal – known for its love of tannins. The company were the first to bring such a formulation to the market and although copycat products have followed, they have never beaten Perfect White Black when it comes to effectiveness and popularity. The brand followed on from this, adding Perfect White Black mouthwash to the mix. The shake to activate formula helps eliminate the bacteria that cause bad breath and neutralises remaining colours for lasting freshness.

Also, in the range is Perfect White Gold. Gold is known for its anti-bacterial and anti-inflammatory properties. Combined with Beverly Hills Formula’s non-abrasive stain removal power, this has become another must for consumers. The brand recently added to the range with Perfect White Optic Blue, again with a first to market formulation. The innovative Blue Filtration Technology forms a special layer over teeth during brushing to reflect the light, creating an optical whitening effect providing immediate results. Along with Optic Blue is the introduction of Perfect White Gold Mouthwash, a shake to activate formula containing real gold particles. This luxurious mouthwash eliminates bad breath and provides a long-lasting freshness whilst helping to remove surface and deep stains. Plans are currently underway to add to this increasingly popular range.

The brand has always been highly selective with their advertising, having never felt the need to heavily promote or push their products to consumers. Rather than expensive marketing campaigns, they have allowed the phenomenal success of the range speak for itself. However, this year an opportunity presented itself that they simply couldn’t pass by and threw the Perfect White Black products onto the global stage.

In May this year, they announced their partnership with the iconic movie franchise Men In BlackTM International, collaborating with Sony Pictures for the much anticipated movie. They had dipped their toes in movie partnership before, teaming up with Paramount on the recent Bay Watch movie. Having seen huge success off the back of this campaign, they were waiting for the right movie to come up again. Men In Black saw an ideal opportunity for the Perfect White Black products to take centre stage.

The movie was released on June 14th and to celebrate its release, the brand is offering consumers a once in a lifetime trip to London and New York City to carry out their own Men In Black mission. They have also launched three limited edition packaged toothpastes and one mouthwash which can be found in stores across the UK and ROI. It is the massive success of the Perfect White Range that has allowed the brand to embark on such exciting collaborations and they are looking forward to further success in the second half of 2019.

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Review shows distraction techniques may reduce dental anxiety

By DTI

BELO HORIZONTE, Brazil: Dental anxiety is globally regarded as a public health concern owing to its effects on an individual’s oral health and quality of life. The prevalence of the condition in children ranges from 5% to 8%. A recent systematic review assessed whether distraction techniques reduce anxiety during dental treatments in children and adolescents.

Twenty randomized controlled trials (RCTs) of distraction techniques for the management of dental anxiety and dental fear in children and adolescents under the age of 18 were included. Among the distraction techniques used were audio and audiovisual techniques, instrument camouflage, biofeedback, a dental operating microscope and toys. Dental treatments provided were dental examination, oral prophylaxis, local anesthesia, dental restoration, endodontic treatment and extractions.

Qualitative analysis showed with very low certainty of evidence that distraction techniques effectively reduced anxiety and fear depending on the distraction type, instrument used to measure anxiety and fear, and procedure.

The authors thus concluded: “The heterogeneity of methodologies and findings in the studies, however, suggests more robust, and well-executed RCTs are needed.”

The study, titled “Use of distraction techniques has a positive influence on pediatric dental treatments,” was published online in the International Journal of Paediatric Dentistry on March 25, 2019, ahead of inclusion in an issue.