Additive manufacturing brings complex geometries that are unattainable with subtractive solutions. The speed at which parts are created can be up to 4X faster for different indications at a lower cost than possible with subtractive Finally, with subtractive solutions environmental waste can be many times larger than the weight of the part itself, and near zero with additive solutions. These reasons reinforced my belief that additive manufacturing was the perfect technology for multi-dental applications: models, surgical guides, try-ins, dentures, long-term temporaries, copings, frames, trays and orthodontics. In any dental lab or clinic, the technicians could be addressing several of these in any given day. Additive manufacturing solutions provide the flexibility to address multiple applications and just-in-time production. This was the motivation for producing the NextDent 5000 solution. I saw the need for a robust quality dental production printer with rapid printing speeds, flexibility to change materials, ease-of-use, and biocompatible certified materials.

In the months after Lab Day 2008, we were busy optimizing the NextDent 5000 printer and materials with feedback from our global beta testers to ensure that one shipped, the printer would fulfill our promise and perform in accordance with the intended use. Through this collaboration with our beta testers, the advancements we’ve been able to make in the last 12 months are comparable to what the dental industry achieved in the 10 years that preceded them. I couldn’t have been prouder when we shipped our first NextDent 5000s to our end users, and have been delighted with the reports from labs and clinics on how it’s transforming workflows and capabilities. Much of the feedback was validation of the benefits and outcomes we anticipated in terms of speed, accuracy and cost. Even more exciting, however was all the positive activity in regards to things we hadn’t even thought of. For example, we saw the birth of the “NextDent Users Group” on social media without any intervention on behalf of 3D Systems. This user group is comprised of thousands of bright dental industry professionals who share their experiences and knowledge with one another. We’ve seen this group experimenting with new indications in light of the NextDent 5000’s capabilities resulting in impressive applications such as the first staged printing or new indications like full arch implant bridges and dentures on implants.

A successful worldwide distribution would not have been possible without our highly knowledgeable and responsive resellers, who are also qualified as certified medical device distributors. We made a conscious decision as part of our strategy to only work with qualified, certified dental and medical device distributors. Additionally, we chose resellers who have proven themselves to be experienced dental CAD/CAM service providers. We believe the certification, experience and expertise will help ensure our customers will receive the highest marks of service and support as they incorporate the NextDent 5000 to transform their workflows. I am confident we selected the right resellers by following our rigorous qualification procedure.

While our 3D Systems NextDent team believed years that the market was ready for our solution, we were glad to see proof of our unappealed potential number of unsolicited external validation points. In the few months of the NextDent 5000s for 2019, the top 4 were all newly launched 3D printers, which proves this industry-changing technology has been making a huge impact. (Dental Company)

• 3D printers were named the second leading technology (after digital x-ray systems) in the category “Rising Away in 2018.” This category of products dominated media coverage and received the most attention throughout the year. 3D printing only missed out on being number one by a handful of hits. Much like cone beam systems, 3D printers hold the possibility of adding back restorative, orthodontic, implant, and general dentistry in countless ways.

• Traditional lines are being blurred for dental care providers due to the consolidation going on by Dental Service Organizations, as well as within clinical and lab settings.

• The Dental Company “most popular dental article of 2018” focused on 3D printing. In fact it was a Q&A with me that occurred shortly after we announced the NextDent 5000 at Lab Day 2008. This validation that people were keenly interested in the solutions we were bringing to the market.

• Advancements in key areas like scanning, software, materials combined with the 3D printing quality of the NextDent 5000 - enable the accuracy required for creating prototypes to reach the tipping point in the dental industry in 2018.

This is all to say that the timing of the NextDent 5000 printer could not have been better. We formulated new biocompatible materials to take advantage of unparalleled printing accuracy and speed delivered by the most experienced 3D Printing ODM. We implemented a scanning system with a matrix code on the bottle to show relevant authorities that we have secured our certification approval so labs and clinics can have complete confidence in our work. We integrated 3D Systems’ 3D print software, which we optimized for ease-of-use and with a trusted connection with dental software suppliers. Then, in the second half of 2018 we received the official Class II certification for our NextDent Micro Filled Hybrid Crown and Bridge material in six different colors. In November, we proudly announced that the NextDent5000 became part of the Ceramilux workflow as a result of a client cooperation with Aumann Girbach. For all dental applications, we ensured the 3D printed output was specifically designed for the intended use and took cost into consideration - minimizing the cost per job based on the printer price and waste savings. All this within our first year, and we are rolling into 2019 with an incredible degree of positive momentum and market support.

We take our responsibility very seriously to deliver long-term performance and safety, and we continuously review clinical events specific to defined patient populations, as well as within more representative populations of users and practices. Post-market surveillance is an integral and ongoing part of delivering a quality system and is a regulatory requirement we uphold with the highest priority.

Close cooperation with our resellers and our early adopters/new NextDent key opinion leaders has proven critical and informative. We recently also established a users’ group for the NextDent community that represents a global pool of experienced users in the clinical laboratory and educational environment.
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New corporate design for W&H

W&H has a fresh new look: the renowned medical technology company has a new, even more modern corporate design to go with its new strategic orientation.

By W&H

Under the motto, ‘Simple. Clear. Modern.’, W&H has created an image that shows it’s ready to take on the future. New logo, new font, more designs and colours – perfect for all digital channels. The aim of the relaunch was to achieve a gentle, but still clearly noticeable change that would outwardly reflect the rapid development of the W&H Group whilst staying close to the W&H core values.

W&H has developed from a supplier of products into a provider of solutions, and is offering more and more digital solutions to support everyday practice. W&H’s product range boasts innumerable innovations, with products that are easy to use, reliable and feature a modern design. This is exactly what should be reflected by the corporate design.

The new design strengthens W&H’s profile in relation to its competitors. W&H has also defined individual brand identities for the new business areas W&H Med and W&H Vet,” says Anita Thallinger, Director of Marketing, on the subject of the new corporate design.

W&H logo remains the central element

The corporate design, which was produced in collaboration with Gerhard Andraschko-Sorgo and his design and advertising agency “Linie 3”, immediately catches the eye. The central element of the W&H logo, the hexagon shape, remains the same. However, the design is now clearer and more focused. Together with the new corporate font ‘Neue Helvetica World’, W&H’s look has been given a new burst of energy thanks to a range of additional colours that complement the traditional apple green, as well as a modern image and design language.

In order to create a clear distinction between the two new business areas W&H Med (human medicine) and W&H Vet (veterinary medicine), the former features a dazzling cyan blue, and the latter an eye-catching turquoise green.

Experience W&H online

For W&H, usability for customers is essential. Which is another factor that influenced the new corporate design. As part of the relaunch, the website has also been revised. It is now fully responsive, looks much more modern and has more space for products and digital content. Large images and a new navigation tool make browsing much easier and encourage customers to explore the world of W&H. “Our international websites have featured the new corporate design since the middle of March. By the end of the year, the new corporate design will be visible across all channels and countries”, says Anita Thallinger on the relaunch of the wh.com website.

For more information, please visit: wh.com
3Shape wins two Red Dot design awards

The new Chiropro & Chiropro PLUS
Bien-Air Dental unveils its new range of implant and oral surgery motors

By 3Shape

COPENHAGEN, Denmark: 3Shape, a global leader in 3D scanners and CAD/CAM software solutions, has received two prestigious Red Dot awards for high-quality product design. The two design awards were presented to the just-released 3Shape TRIOS 4 intra-oral scanner and the TRIOS MOVE+.

The 3Shape solutions were selected by the Red Dot global jury from more than 5,500 entries. The distinction marks the fifth and sixth 3Shape solution given a Red Dot product design award over the past three years.

Nikolaj Deichmann, 3Shape co-founder and co-CEO, said: “We are very proud to receive the Red Dot awards and appreciate the jury’s recognition. The awards not only highlight the value of our solutions, they also celebrate our company’s design philosophy. 3Shape creates solutions to enable dental professionals to better care for their patients. But an important part of that is making sure that the form and function of our solutions is equally outstanding. The Red Dot awards acknowledge this.”

3Shape TRIOS 4 is the world’s first intra-oral scanner that allows for timely detection of both surface and interproximal caries with a single scan. Now with the release of the brand-new TRIOS 4, intra-oral scanners will no longer be used only for restorative and orthodontic applications. These are diagnostic applications that do not emit radiation. The wireless TRIOS 4 delivers its caries innovation without compromise to ergonomics or an increase in the size and weight of the scanner.

3Shape TRIOS MOVE+ is one of three hardware set-up options for the TRIOS intra-oral scanner. TRIOS MOVE+ now features a larger 15.6 inch touch screen attached to an arm and an elegant, easy-to-move stand with a mounted PC. Dentists can easily move and position the TRIOS MOVE+, as well as use its touch screen as a canvas to design and discuss treatments with patients. TRIOS MOVE+ helps to drive patient involvement and case acceptance in conjunction with 3Shape patient engagement apps like TRIOS Treatment Simulator and TRIOS Smile Design.

For further information, please contact:

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By BienAir

BIENNE, Switzerland: During the 2018 EAO congress, Bien-Air Dental presented its two new implant and oral surgery motors, the new Chiropro and the Chiropro PLUS.

Designed to simplify the fitting of implants as well as oral surgery procedures, the new Chiropro and Chiropro PLUS have been fully developed around a single philosophy: Simplicity.

A single control knob allows you to control the entire system. Simply turn the knob to navigate via the menus and adjust the settings, and press it to confirm the selected value. Moreover, the control knob – the only point of contact between dentists and the unit during procedures – can be easily removed and sterilized to simplify maintenance. Thanks to their clear and concise interface, the new Chiropro and Chiropro PLUS plainly display all the information required for procedures to go smoothly: type of instrument, speed, torque, irrigation flow and direction of rotation. Pre-set operating protocols and the option to modify settings based on patients’ dental features, also make the new Chiropro and Chiropro PLUS plainly an option to modify settings based on patients’ dental features.

The new Chiropro is mainly dedicated to implantology procedures, the Chiropro PLUS enables you to perform both implantology procedures and oral surgery procedures.

Owing to the fact that each clinical discipline requires a very specific group of instruments, the new Chiropro and Chiropro PLUS units can be connected to the relevant micromotor and rotary instrument required for each procedure.

Implantology

Powered by the Chiropro (Chiropro PLUS resp.), the new MX-i micromotor (MX-i PLUS resp.) and CA 20.1 handpiece combine to offer you the very best rotary technology for all your implantology procedures. Combined with the MX-i micromotor (MX-i PLUS resp.), the CA 20.1 handpiece provides an exceptionally stable speed, for precise and smooth procedures. As well as offering an unparalleled service life, the CA 20.1 handpiece is fitted with a brand-new internal irrigation system. The irrigation line will not inconvenience dentists when they are using the handpiece.

Oral surgery & periodontology

You can also carry out oral surgery and periodontology procedures using the combination of the Chiropro PLUS, MX-i PLUS micromotor and the new CA 1:2.5 handpiece. The angular shape of the handpiece proves better suited to the target operating area than a straight handpiece, and the high torque of the MX-i PLUS and its built-in self-cooling system guarantee procedures can be performed quickly without the instrument overheating, even during long and complex procedures.

The new Chiropro PLUS is lighter, more compact and complying with the PM 1:2, the cutting time is reduced by 70% (just 12 seconds to fully section a tooth) and the force required is significantly reduced. The risk of overheating is considerably lowered thanks to the self-cooling system built into the MX-i PLUS.

Oral surgery (including wisdom tooth extraction)

Combined with the PM 1:2 straight handpiece and the MX-i PLUS micromotor, the Chiropro PLUS is the ideal solution for oral surgery procedures, and wisdom tooth extraction in particular. Thanks to the high power of the PM 1:2, the cutting time is reduced by 70% (just 12 seconds to fully section a tooth) and the force required is significantly reduced. The risk of overheating is considerably lowered thanks to the self-cooling system built into the MX-i PLUS.

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Dynamic Duos Reign Supreme for Beverly Hills Formula

By Beverly Hills Formula

They say that one is lonely and two is company—and this is definitely the mantra that oral care brand Beverly Hills Formula have chosen to live by. Once again, the Irish-based brand has cited their Perfect White Range as being one of the top performers at-home teeth whitening ranges on the market today—and it is their Perfect Pairings within this range that have been the driving force behind its success.

Launched in 2012, the Perfect White Range has been growing continuously strong ever since, and the brand has seen huge success across the Middle East. The range is now available in UAE, Jordan, Lebanon, Oman, Qatar, Kuwait, Bahrain, Iraq and Saudi Arabia. A combination of clever branding, high impact colours, and a vow remain true to their intrinsic values (safe, affordable and effective) has ensured that the Perfect White Range continues to remain at the forefront of consumer’s minds.

The Perfect White Family consists of the infamous Perfect White Black, Perfect White Gold, Perfect White, Perfect White Sensitive, Perfect White Black Sensitive and Perfect White Black Mouthwash. Joining them were their most recent products — Perfect White Optic Blue, Perfect White Gold Mouthwash and the Perfect White Whitening Kit.

Within this range, it is their dynamic duos that have given them the edge against their competitors, and have ensured that Beverly Hills Formula remain the stand-out option for consumers today. The duos work symbiotically and effortlessly complement each other—as all good partnerships should! Two very different colours, two very different and cutting edge ingredients – the brand’s perfect pairings are vital products for anyone looking to get a ‘Hollywood Smile’ in the comfort of their own home.

Perfect White Black and Perfect White Black Mouthwash

Perfect White Black Mouthwash go hand in hand to give an all-round, highly effective clean, the effects of which can be felt throughout the day. The brand were first to market with the secret weapon of Activated Charcoal which has been clinically proven to be one of the most effective teeth whitening ingredients available today. Activated Charcoal is known for its love of tan-nins and is the ideal ingredient to add to a whitening product. Perfect White Black works to whiten teeth, remove surface and deep stains and helps to eliminate the bacteria that causes nary bad breath.

Complementing this hero product is Perfect White Black Mouthwash which has been scientifically formulated to combat bad breath. The ‘shake to activate’ formula also contains Activated Charcoal which helps eliminate the bacteria that cause bad breath and neutralizes remaining odours for lasting freshness. In addition, Pyrophosphates help remove surface and deep stains.

Perfect White Gold and Perfect White Gold Mouthwash

The Perfect White Gold Mouthwash which has been clinically formulated to combat bad breath, this innovative mouthwash is made from cruelty-free ingredients and does not contain parabens—the ideal pairing for those seeking some Luxury!

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