Before the introduction of supermarket chains in the 1940s, shoppers had to separately visit specialty stores in the high street one at a time, such as the butcher’s, the baker, the chemist, and so on. This was both time-consuming and inefficient. Fortunately, with the subsequent expansion in the amount of supermarkets, we are now able to obtain a wide range of food and household items, or even a complete service, e.g., an optician, in one location. The advantages of supermarkets, which offer a full service in one place, over independent shops is that they are more convenient for the consumer in terms of both time and efficiency.

The benefits of a complete dental service in-house

These advantages can also apply to healthcare providers. Indeed, there is some evidence that patients in healthcare settings prefer to obtain a full service in one place. For example, one study that examined whether patients’ views of quality of care were influenced by the scope of the service offered in one location found that patients perceived better quality of care, especially in terms of accessibility and continuity, when practices act as a ‘one-stop shop.’

This finding suggests that all types of healthcare services, including dentists, can benefit from providing a complete service within the practice. In addition to being liked by the patients, this also has several advantages for the practice. Taking the example of providing restorations in-house, the benefits for the practice include being able to provide a faster service, improved workflow efficiency, the elimination of logistical problems (e.g., delays in receiving restorations back from laboratories), more choice in designing restorations and being involved in every stage of the process.

A full chairside system

Being able to complete the restoration process in-house works best when all of the necessary equipment is located chairside, as this reduces the time and effort required from the dentist as well as the patient. One system that does enable the entire restoration process to be completed chairside is Carestream Dental’s CS Solutions. CS Solutions is a complete integrated system that contains the options to scan, design, and mill in the practice. It enables dentists to provide crowns, inlays or veneers in a single appointment.

Flexibility to suit your practice

One of the advantages of CS Solutions over closed systems is that it is an open system, which means that there is the flexibility to choose from several alternative solutions that adapt to the practice’s preferred workflow and lay-out. For example, you may opt to scan, design and mill in office but use a laboratory for milling, or to only perform the scans in office and send the digital models to the laboratory for processing via CS Connect. CS Connect is an online portal for sending digital impressions or crowns designs to the laboratory quickly and securely, which saves time and transport costs and enables real-time case follow up and online case history. As CS Solutions supports open STL format files, it is compatible with many third-party CAD/CAM systems used by laboratories.

ENDODONTIC OBTURATION SYSTEM EQ-V: THE DENTIST’S CHOICE FOR CONTINUOUS WAVE OBTURATION

BioMed recently established its European headquarters in Mülheim in Germany with the aim of further increasing its presence throughout Europe. The decision to locate Meta Biomed in Mülheim has been warmly welcomed by local economic development company Mülheim & Business and state-owned economic development agency NRW.INVEST, both of which have supported the Korean medical technology company throughout the expansion process. As a company with more than 1,500 employees worldwide, establishing itself in Germany is recognition of the “made in Germany” label as an international signifier of high quality. This emphasis on providing exceptional products reflects the company’s own corporate ethos.

Meta Biomed has a deserved reputation for being one of the dental industry’s leading innovators, as its focus on research and development has achieved continual breakthroughs in the quality and performance of its medical devices and biomaterials. This continues with the launch of Meta Biomed’s new EQV system, which offers a revolutionary and convenient option for continuous wave obturation. Developed with users in mind, both the EQV Park and Fill are lightweight and ergonomically designed for comfortable handling. Each is protected with chemically proven housing material and offers outstanding heating performance; the Fill needs just 35 seconds to reach a temperature of 200 °C.

A highly efficient and replaceable lithium battery ensures that the EQV has an extended battery time, making it ideal for longer and more complicated procedures. The device’s unique 360° rotating cartridge provides dental professionals with unparalleled access and precision, and comes with the added benefit of being easily replaceable and disposable. All in all, the EQV is a product that embodies Meta Biomed’s commitment to providing low-cost, high-quality solutions for everyday dental procedures.

Meta Biomed is inviting dental professionals to join the company at AEEDC Dubai and a host of other major shows in the upcoming months. There is a great level of excitement at Meta Biomed about showcasing its industry-leading endodontic products to dental professionals around the globe.

“We are looking forward to meeting our customers and welcome the opportunity to answer any questions they may have,” said Ian Yun, Meta Biomed’s Managing Director.
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The Straumann Pro Arch solution is tailored to fit and designed to last, indicated for the treatment of fully edentulous patients using fixed restorations and immediate loading protocols. It combines several treatment steps that are supposed to reduce complexity without compromising the outcome and allow for personalized treatment protocols that take patient expectations and unique anatomic, clinical situations into consideration.

Each patient is unique. Therefore, each treatment should be individual too. Based on Carames Anatomic Classification, Straumann Pro Arch provides clinicians with prosthetic and surgical options to choose the best solution for each patient. The versatility of the Straumann Dental Implant System, including Bone Level, Bone Level Tapered, Tissue Level, and short family implants, provides additional flexibility to address individual clinical situations.

Patients can undergo less invasive procedures thanks to Roxolid, a groundbreaking material specifically designed for use in dental implantology and extensively used for the Straumann Pro Arch procedure. The titanium-zirconium alloy is stronger than pure titanium¹,², and has excellent osseointegration properties.³,⁴,⁵ Owing to their outstanding mechanical and biological properties, Roxolid Implants allow clinicians to use smaller implant diameters than with the same clinical performance as titanium regular-diameter implants⁶.

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Achieving predictable treatment outcomes has been the focus of the SLActive clinical development strategy. New long-term data from a randomized, controlled, multicenter study have confirmed the impressive performance of SLActive with immediate loading. In fact, the SLActive Implants delivered a 10-year survival rate of 98.2% in immediate loading procedures.⁷ The surgical and prosthetic Straumann Pro Arch treatment protocols, supported by the strong education programme and the customized value added services, ensure a predictable outcome for each patient every time.

¹ Norm ASTM F67 (states min. tensile strength of annealed titanium).
² Data on file for Straumann cold-worked titanium and Roxolid® Implants.

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FLUORESCE HD

A global leader in handpiece manufacturing, Lares Research introduced the Fluoresce HD handpiece in 2017. Recently awarded The Most Innovative Product at the ADF 2017 in Paris, France, this new line is now on display at AEEDC in Dubai.

Fluoresce HD is the world’s first handpiece making caries and restoration detection technology available in both highspeed handpieces (turbines) and electric micro motor systems. With a push button, clinicians can easily switch from normal white LED light to Fluoresce HD 405 nm LED light. This causes caries to fluoresce red, restorative material to glow yellow, and healthy tooth light green.

According to the company, Fluoresce HD is minimally invasive, reduces the risk of refection, and saves chair time for the benefit of both patient and dentist. Simple and cost effective to use, it can be deployed with the Lares Fluoresce HD Electric system or any KaVo MULTIflex compatible turbines.

I-MAX 3D

Like its predecessor, the new IMax 3D from Owandy is the result of unrivalled technological and manufacturing expertise. Still one of the most compact and lightweight units on the market, it features an “Easy to Install” system and is delivered fully assembled, requiring just one technician to install it in situ. Similar to an intraoral device, the IMax 3D can be mounted to a wall in no time at all.

Innovation is about more than just design. Equipped with a 3D cone beam sensor, the IMax 3D allows to carry out high definition (87 μm) examinations for a streamlined diagnostic process.

With its ALIS (Automatic Layers Integration System), the unit directly and automatically selects the best sections to display as a perfect, high definition image without any form of user involvement. According to the company, the IMax 3D can be adapted to the specific needs of a dental practice. The multi-FoV system supports examinations in 9 x 9 cm (full mouth) and 9 x 5 cm (full arch) formats for implant planning, and there is also a 5 x 5 cm option for endodontic diagnostics. A range of 3D programmes are available for more in-depth examinations.

Owandy, France
www.owandy.com
Booth 8B13
With its flagship product, the Rayplicker, on display for Middle Eastern markets in Dubai, Borea is seeking to strengthen its international expansion. The solution consists of a digital shade guide, software and a mobile application for processing and transferring data from the dental office to the laboratory.

Shade determination is usually conducted with a manual shade guide. Owing to the difficulty and subjectivity of the procedure, Borea has developed the Rayplicker. Ergonomic, fast and precise, this shade determination solution realises an innovative concept for communication and interaction between the dentist and dental technician. An indispensable tool for dental practices, it combines quality, traceability and reliability.

The Rayplicker allows the capture, in a single acquisition, of all the colour information necessary for the aesthetic integration of a prosthesis. At each acquisition, the user can visualise the shade of the tooth according to different views, including polarisation, overall shade, three parts, nine parts, complete mapping and translucency of the tooth. The device has a patented optical measuring head, cancelling out influences from the external environment. Its ergonomics makes it possible to scan all of the teeth, whatever their position is in the oral cavity.

Data collected with the device is sent directly to the software together with the contextual photographs taken with the mobile application. Once the patient’s file, integrating the dental prosthesis order, has been completed and recorded, it is sent via the cloud and/or printed. The laboratory, also equipped with the software, instantly receives all the necessary information via the cloud to manufacture the prosthesis according to the order. The software also allows the dentist to follow the order status in real time.

Borea was founded as a project supported by the XLIM laboratory in Limoges in France. Based there in the ESTER Technopole business park, the company not only manufactures the Rayplicker, but also invests heavily in the development of software, thanks to its team of engineers and developers in computer science. Borea is advancing with new skills on a daily basis and is currently recruiting new employees.
ADENTATEC: COMPETENCE IN DENTISTRY

Based in Cologne in Germany, Adentatec is a worldwide operating dental enterprise that specializes in the production and distribution of non-precious dental alloys on cobalt-chrome and nickel-chrome base as well as CAD/CAM discs on cobalt-chrome and titanium base. The medical devices distributed by Adentatec are exclusively produced in Germany and are certified to meet the highest standards (CE and FDA). Adentatec is committed to a strict implementation of the quality and process requirements of DIN EN ISO 13485 and DIN EN ISO 9001. These norms cover the entire manufacturing process, according to the company.

From its beginnings over 20 years ago, the main focus of the company was the distribution of sandblasting material and plaster to dental laboratories across Germany. In 2003, Adentatec started their own production of dental alloys and implemented the quality management system. Before launching their alloys in the market, the products have undergone all medical tests such as bio-compatibility and corrosion resistance tests. Over the last 10 years, the export business of Adentatec has increased steadily and the company has now more than 20 dealers worldwide representing its product range.

Development at Adentatec always had the health of the patients in mind. With its know-how, Adentatec produces only alloys and discs that comply with top standards. The company only uses high-quality raw materials to ensure a smooth and consistent quality.

Product brands like SYSTEM KN, SYSTEM MG and SYSTEM NE have been used by many dental technicians for a long time. Adentatec’s portfolio includes plaster, investment material, as well as sandblasting material. Almost ten years ago, the product range was expanded with CAD/CAM discs on cobalt-chrome base (SYSTEM NE-BLANK and SYSTEM SOFT-BLANK). These discs are available in different diameters and heights and can be used for all open milling systems. The strong oxide provides very good metal/ceramic bonding abilities. One of the remarkable features of the discs is the high corrosion resistance and biocompatibility. The discs are soft, homogeneous and have very good milling properties. The CAD/CAM disc on titanium base SYSTEM TI 5-BLANK (Grade IV) was launched in 2012. The Adentatec team is always dedicated to offer the support for its customers. Sales representatives regularly attend dental exhibitions all over the world such as AEEDC Dubai in order to keep in touch with customers and to give potential customers the opportunity to speak face to face. The principle is to establish a mutual relationship with suppliers, customers and business partners.

For additional information about Adentatec products, clinicians are invited to contact the company at info@adentatec.com.

Adentatec, Germany
www.adentatec.com
Booth 7D11

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VITA – perfect match.
At AEEDC Dubai, TePe is presenting an innovative product for cleaning teeth on the go: TePe EasyPick. Its ease of use makes it ideal for interdental cleaning during the day. With a stable, non-slip grip and an advanced silicone cleaning end, the design facilitates efficient removal of plaque and food debris. TePe EasyPick is an important addition to the company’s comprehensive oral hygiene range, which is developed in collaboration with dental experts and manufactured in Sweden, said Helen Richenzhagen, Global Sales Director at TePe.

TePe, Sweden
www.tepe.com
Booth SR07

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NEWTOM GIANO

NewTom, the first company to use cone beam technology in the dental field and manufacturer of the high-standard devices NewTom VGi evo and NewTom 5G XL, is announcing the new NewTom GiANO. According to the company, it is aimed at dental specialists who want to increase the value of their practice with a high-quality device at a competitive price. With high 2D and 3D image quality, multiple fields of view, different scan modes and various radiographic modes (adult and child, anterior dentition, bitewings, lateral/anteroposterior cephalometric, carpal examinations, etc.), it provides the perfect solution for every clinical application.

NewTom GiANO is available in Pano, Pano + 3D, and Pano + 3D + Ceph configurations. The device can be upgraded to CBCT and Ceph with minimal effort at any time.

NewTom has gained industry-leading experience from years of successful research, development, production and distribution of CBCT products, and continues to demonstrate its commitment to providing excellence and quality.

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