**AIR-FLOW MASTER**

Prophylaxis is entering a previously unexplored area with the new AIR FLOW Master from EMS. This instrument gives periodontal pockets a thorough cleaning by air polishing. The biocentric energy, applied in a powder-air-water mixture, removes the biofilm down to the base of the pocket, bringing about a sustained reduction in bacteria, firms the gum and reduces the pocket depth. The patient benefits twice because the procedure is not only more efficient, but also more comfortable than conventional curettes or other instruments which scratch the tooth.

This “subgingival deep diving” uses a special single-use nozzle, combined with extra-fine grain AIR-FLOW Powder which is non-abrasive on the tooth surface. The flat and tapered, slightly bent nozzle has three openings from which the powder-air-water mixture emerges in the subgingival area with gentle turbulence. The special construction of the nozzle ensures that the powder is thoroughly washed out of the pocket, along with the removed biofilm, according to EMS. The nozzle is simply fitted onto the Perio-Flow handpiece, which has a magnetic holding device and can therefore be removed flexibly.

The AIR-FLOW Master does not simply take care of periodontal pockets, but also provides supragingival prophylaxis. Whether plaque or hard deposits—the AIR-FLOW handpiece “strokes” the tooth surfaces clean with the appropriate powder gently and selectively. In addition to the classic powder, EMS has developed a soft powder for more sensitive teeth. And recently, patients have acquired a taste for this treatment: The classic powder is available not only in a “neutral” flavour, but also in cherry, blackcurrant, tropical, lemon and mint flavours. Every flavour has its own colour coded ring, which is placed on the powder chamber—so that it is clear at a glance which flavour is being used at any time.

The AIR-FLOW Master is operated exclusively through touch and, therefore, is very hygienic. The person providing treatment places one finger on the touch panel and controls the “Power” and “Liquid” functions from minimum to maximum by gently stroking over them. In addition, a finger-tip is enough to switch between the AIR-FLOW and PERO-FLOW applications. The application currently in use lights up in fluorescent blue. Due of its smooth surfaces, the instrument is easy and hygienic to clean and thereby guarantees the highest hygienic standards, according to EMS.

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Thanks to its modular construction, the innovative concept of the “New Generation” firing system for VITA VACUMAT ceramic furnaces not only means perfect customized solutions for every user—it also offers superior cost-effectiveness.

At the heart of the system is the premium ceramic furnace VITA VACUMAT 6000 MP, which is available with a choice of three different control units: VITA vPad easy, VITA vPad comfort and VITA vPad excel. Designed to meet a diverse range of requirements, just one of these control units allows convenient operation of up to four firing units. The new VITA VACUMAT ceramic ovens are particularly appealing thanks to a variety of technical innovations. The modular construction and the operation of multiple firing units allow all users to assemble a cost-effective firing system that is adapted perfectly to their particular needs. The system can also be expanded at any time to include additional components (firing units, control units or accessories).

Even greater flexibility is now possible thanks to the introduction of additional modules such as the VITA VACUMAT 6000 MP combipress unit that can also be operated using VITA vPad comfort and VITA vPad excelence. The combipress unit not only offers all the programs and functions available with VITA VACUMAT 6000 M, it can also be used for pressing any kind of press pellet and is suitable for use with all standard muffle systems. The innovative pressing technology combined with numerous service and monitoring functions ensures precise, consistently convincing pressing results.

The new VITA VACUMAT system is thus complete, offering the user the benefit of an even greater selection of options and improved cost-effectiveness in the laboratory.

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VITA VMK MASTER

The German company VITA Zahnfabrik has been supporting dental technicians all over the world with finest veneering materials for more than 45 years. In 2009, their product line was increased by VITA VMK Master, a new ceramic belonging to the VMK (VITA Metallkeramik = VITA metal ceramics) generation for veneering metal frameworks in the conventional CTE range.

Available to dental professionals at AEEDC 2010, the new veneering material VITA Zahnfabrik aims to take the next evolutionary step in the VMK success story offering dental technicians an uncompromised material in terms of safety and aesthetics. High bending strength and temperature change stability, perfect comp—also with non-precious alloy frameworks—as well as low acid solubility and first-class processing characteristics are some of the numerous benefits that VITA VMK Master of fore thanks to the utilization of state-of-the-art manufacturing processes and high quality materials. Due to the easy handling with the Standardlayering consisting of dentine and enamel, asesthetic reproductions may be achieved quickly and safely. Furthermore, a comprehensive range of additional materials offers the best conditions for an efficient realization of patients’ individual features.

In addition to the successful VITA VM concept component called VITA VM 14, VITA VMK Master joins the success story of VITA ceramics. VITA VMK is available in the original VITA SYSTEM 3-MASTER and VITAPAN classical A1 - D4 shades. Only the VITA label guarantees for an exact and nature-like reproduction of the original VITA tooth shades, the company said.

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Working without back or neck problems:
DENTALSCOPE 2D MAGNA VU.

The Dentalscope 2D MagnaVue is representing a new generation of dental equipment. The procedure scope, light, magnification and ergonomie are combined in one system. The doctor can remains in his ergonomic upright work position throughout the treatment. The 2D Sensor Head with high intensity LED lighting can be variably positioned over the patient, providing you at all time with perfectly illuminated pictures of the selected treatment area on a large format 19” inch medical grade monitor. The four LED lights deliver a maximum of 4700lux. The integrated high-performance optics system has a magnification range from 2.5x to 55x. The system attains an impressive depth of field of up to 20 cm and allows you to position the patient and treatment area virtually at will without having to refocus constantly. Back or neck problems due to a bent over working posture thus are a thing of the past.

Further Innovations at SMT:

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