Innovative nano-technology for high-quality standard treatment

The New Tetric N Family of Products from Ivoclar Vivadent

With the Tetric N family of products, Ivoclar Vivadent is introducing a comprehensive nano-optimized restoration system for high-quality standard restorations. The letter ‘N’ refers to what is new: the nano-optimized technology, on which the Tetric N family of products is based.

Tetric N-Ceram—
the new universal composite

Tetric N-Ceram is a further development of the popular Tetric Ceram. Tetric N-Ceram is a universal composite for high-quality standard restorations in the anterior and posterior region. Important properties have been further improved with the help of nanotechnology. These properties include reduced shrinkage, lower wear and enhanced polishability.

Fig. 1: Nano-optimized technology for the Tetric N family of products.

Tetric N-Flow—
The new flowable composite

Tetric N-Flow is based on 10 years of tradition and the clinical performance of its predecessor Tetric Flow. As it offers excellent handling properties and an exceptionally high level of radiopacity, it is the ideal complement to Tetric N-Ceram. Because of the material’s outstanding wetting ability, it is particularly suitable for use as a cavity liner. At the same time, the material offers the stability required for Class V restorations.

Tetric N-Bond—
The new nano-optimized adhesive

Tetric N-Bond is a light-curing single-component bonding agent for enamel and dentin bonding in conjunction with the total-etch technique. Due to the nanotechnology employed and the acetone-free formulation, postoperative sensitivities occur less frequently. At the same time, it enables a durable bond to be established between the restorative material and the dental hard tissues. Tetric N-Bond is suitable both for direct and indirect restorative procedures after prior light polymerization.

Further information can be obtained from:
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Internal Implant

The main features of the Internal implant from BTI are its anatomical design, a polished 0.5 mm neck and a self-tapping apical part which gives this implant outstanding penetration properties.

The head diameter of this implant is 4.8 mm in the 4 and 4.5 mm body implants, and 5 mm in the 5 mm body implant.

According to the company, the Internal implant was designed for being especially used in post-extraction sockets, because it allows for a good sealing of the socket. Besides, the Universal Plus Platform includes the platform shifting concept to improve the load distribution and the fatigue resistance.

The platform size in the Universal Plus implants is 4.5 mm and it has a four-lobed geometry. In addition, the prosthetic components used are the same ones as on the Universal platform.

The motor-driven removable cuspidor bowl can be rotated up to 270°. In stand-by position, it is stored in the unit body increasing the amount of space available to the assistant. Meanwhile, the MX induction micromotor developed by the Swiss company Bien-Air is standard equipment on Classe A9 and offers a speed range of 100 rpm – 40,000 rpm. Autoclavable and waterproof, the MX incorporates functions that make it ideal for use in endodontics and a torque adjustment starting from 0.3 Ncm. Total control of instrument parameters renders the MX safe and precise, especially as regards root canal preparation, the company says.

Anthos Classe A9

Compact and versatile, the Classe A9 unit from Anthos was developed to grant the most space and absolute freedom of movement, offering ergonomic solutions of particular interest to both dentist and assistant. Classe A9 is to guarantee complete control and offers a speed range of 100 rpm – 40,000 rpm. Autoclavable and waterproof, the MX incorporates functions that make it ideal for use in endodontics and a torque adjustment starting from 0.3 Ncm. Total control of instrument parameters renders the MX safe and precise, especially as regards root canal preparation, the company says.

Anthos offers an ever-increasing range of instruments and technology to today’s dentists. All in all, the company said to guarantee reliability, functionality and prime performance of its products.

Anthos, Italy
www.anthos.com

GumQuick/ GumQuick Implant

GumQuick Plus, the proven material for gingiva masks, has been revised completely due to new requirements in the dental technique. As a result there are now two variations of the addition-vulcanising silicone for functional and aesthetical provision available since IDS.

Under pressure the slightly thixotropic silicone GumQuick flows into the finest details. Despite saw model and loss of substance it is supposed to offer the possibility to pay attention to interdental papilla and possible unphysiological pressure onto the gingiva already in the state of crown and bridge modelling. The final hardness of approx. 58 Shore A as well as the colour were adapted to natural gingiva. Improved mechanical values such as tear-resistance and elongation enable easy handling. Repeated resetting onto and removal from the master model is ensured even from extremely undercut areas.

In addition, GumQuick implants offer easy and safe production directly in the impression. Thin flowing characteristics is to guarantee the bubble-free reproduction of the gingiva and a safe fixing of the implant pillars. The ready made mask shows very good flexibility with a high final hardness of approx. 72 Shore A and can therefore be easily cut with a scalpel.

The manufacturer said that both materials can be scanned with all current dental CAD/CAM systems and offer an additional precision control to the user also in case of digital modelling. The double cartridge system as well as the small mixing canula are to guarantee an exact and economical processing of GumQuick. The Starter Set comes with the insulation liquid DuoSep to provide compatibility with all impression masses.

Drewe Dentamid, Germany
www.drewe.com

www.anthos.com

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-26-28_IR 08.05.2007 16:58 Uhr Seite 1