Promedica has one of its first class composites on display that is supposed to meet highest aesthetic requirements through its perfect adaptation to the natural tooth colour and tooth like brilliance of the final filling. The light-curing micro hybrid composite Composan LCM combines a high filler content with a well-balanced resin matrix for excellent properties such as minimal abrasion, low polymerisation shrinkage as well as high compressive and transverse strength. According to the German company, it also convinces by its easy handling as well as optimal polishing properties. In combination with CompoBond 1, the adhesion of Composan LCM to dentine and enamel is extraordinarily strong thus sealing off the cavity margin, it said. Composan LCM can be used in both anterior and posterior areas, as well as for inlay and onlay techniques. It is available as a flowable version Composan LCM flow that is indicated for minimal invasive preparation, fillings of class III to V, extended fissure sealing etc. Composan LCM flow is an ideal lining material under composites and easy to apply directly from the syringe, according to the company. It is said to adapt perfectly to the cavity walls and reinforce the bonding layer and blocks out all kind of irregularities of the cavity floor. Owing to its elastic properties Composan LCM flow is also highly stress absorbing.

Promedica, Germany
www.promedica.de
Booth K25

PROMEDICA, GERMANY
www.promedica.de
Booth K25

At the FDI Annual World Dental Congress, the German dental company Dürr is presenting the new generation of its successful compressor series to dental professionals in Asia. First introduced at IDS Cologne in 2011, both the Tornado 1 and 2 are said to be robust, ultrasilent and economical while offering the same advantages as the first generation including a compact design and compressed air of the highest quality.

According to Dürr, the new model uses 15 per cent less energy than its predecessor. It’s improved design, recently awarded a winner of the red dot design award 2011, and lower noise level makes it more adaptable to dental offices.

The devices can be used for up to three operatories. An antibacterial coating based on nanotechnology on the inside of the tank is supposed to ensure the highest level of hygiene. Both versions also benefit from an optional membrane-drying unit that provides constant dry air and practically zero regeneration time which make the compressors especially suited for heavy-duty conditions. Since the compression performance is more effectively exploited through the membrane-drying unit, the equipment can be operated 24 hours a day, the company said.

The output voltage of the Tornado compressors can be adapted to different power supplies.

Dürr Dental, Germany
www.duerrdental.de/en
Booth H20/J19

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New compressor generation by Dürr
**AIR-N-GO Polishers and powders**

With AIR-N-GO, the French Acteon Group aims to increase the possibilities of dental clinicians for care and treatment with one single handpiece. The dual purpose air polisher with direct connection to the chair was designed for ultra-active supra-gingival polishing as well as sub-gingival periodontal diseases and peri-implantitis treatment. According to the manufacturer, it instantly converts into a perio system through an optional AIR-N-GO PERIO Kit comprising an ultra-fine PERIO nozzle, green PERIO powder tank and glycine-based PERIO powder.

Available as seven different powders, the AIR-N-GO powder product range is said to provide gentle care, effective prophylaxis and subgingival treatments. The unique grain structure of each powder allows for efficient as well as painless polishing and cleaning with no damage to teeth or implants, the company said.

The AIR-N-GO ‘CLASSIC’, active and sodium bicarbonate based powder, with less aggressive geometry, comes in five 100 per cent natural flavours. Based on natural calcium carbonate, the AIR-N-GO ‘PEARL’ ultra-active powder consists of microspheres that are gentle to sensitive tissues. The two ranges are recommended for supra- gingival prophylaxis.

ACTEON GROUP, FRANCE
www.acteongroup.com
www.airngoconcept.com
Booth L16/M17

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**Proface**

W&H’s new Proface light probe is supposed to enable direct visual detection of caries in opened cavities and minimise the risk of caries recurrence.

According to the Austrian company, it enables selective treatment during caries excavation based on Fluorescence Aided Caries Excavation (FACE).

This method works in the way that violet light is applied to the opened cavity where porphyrins, metabolic by-products left by the bacteria in infected dentine and not visible to the human eye, fluoresce red while healthy tooth substance fluoresce green.

Diagnostic goggles with special filters also enhance this effect, the company said.

With Proface, dentists will also have more information in regard to treatment decisions in Caries Profunda.

Access to the treatment site is optimised by the probe’s new slender design which was developed to guarantees flexible and painless application. W&H said that with Proface success of caries excavation can be assessed at a glance and at any stage of the process.

By assisting dentists with selective, minimally invasive excavating, it substantially contributes to maintaining the patient’s healthy tooth substance, they added.

W&H, AUSTRIA
www.wh.com
Booth G22/26

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For more details see summary SLActive® Scientific Studies.
Whip Mix has announced the market launch of its Denar Mark 300 articulators for use in orthodontic therapy. The new series consists of three models (Mark 310, Mark 320, and Mark 330) and is supposed to bring a new standard of interchangeability with factory set accuracy within 20 microns. According to Whip Mix, the Mark 300 articulators have a sleek design and conceptually look that is aesthetically pleasing and durable at the same time. While all models of the series feature fixed settings, the Mark 350 is semi-adjustable and the Mark 310 is semi-adjustable with fixed progressive.

Besides new articulators, Whip Mix has also its Esthetic Crosstree centered bite record as well as its UtiliRock Premium Die Stone on display. Based in Louisville, KY. In the USA and Dortmund in Germany, the company has been manufacturing and distributing products for dental practices and laboratories since 1919.

WHIP MIX, USA
www.whipmix.com
Booth E06

The Straumann Dental Implant System includes the new generation Bone Level Implant which is now available all over Asia, including China, Taiwan and Japan. According to the company, these new implants, developed in close collaboration with internationally renowned experts and confirmed through clinical studies, combine new and innovative concepts with well-documented design elements to provide dental professionals with aesthetic flexibility.

The Straumann Bone Level Implant is available in three endosteal diameters and four lengths and comes with a comprehensive prosthetic portfolio. According to the company, they can be placed with the same surgical kit and procedure as the other implants in the company’s current range, thus providing even greater flexibility, broader treatment options and higher reliability.

INSTITUTE STRAUMANN, SWITZERLAND
www.straumann.com
Booth M02/N05

Bone Level Implants feature Straumann’s novel Bone Control Design, a concept which follows the five fundamental biological principles to optimise bone preservation and stabilising soft tissue. While the SLActive implant surface offers unparalleled implant surface osteoconductivity, the conical implant-abutment connection provides a strong and tight joint in all cases of loading. In addition, the biomechanical design of the implant and thread optimises the transmission of the chewing forces to the bone, provide high primary stability and make the basis for crestal bone preservation, Straumann said.

The biological distance is respected by the horizontal distance between the microgap and the bone. Moreover, the transition of the rough to the smooth surface is optimally positioned at the level of the crestal bone to provide the maximum surface for osseointegration and soft tissue growth.
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With Posicaine, the Canadian company, Novocol, presents a local dental anaesthesia that can be used in both routine (Posicaine 200, Articaine with Epinephrine 1:200,000) and complex procedures (Posicaine 100, Articaine with Epinephrine 1:100,000) when improved visualization of the surgical field is needed. According to Novocol, its formula offers predictable anaesthesia of 60 minutes for infiltration injections and 120 minutes for nerve blocks. Posicaine does not contain methylparaben or latex in order to avoid allergic responses from patients that are sensitive to these compounds. Dental clinicians benefit from the neutral Mylar label color-coded glass cartridges by minimizing the risk of wounds in case of cartridge breakage during use. Additionally, the glass cartridges are siliconised to allow for smoother injections. Novocol manufactures its product in Canada according to the highest quality and safety standards. Lot and Expiration dates are imprinted on the case label, as well as the box and cartridge label. Both formulas are available in terminally sterilized boxes of 50 cartridges each.

NOVOCOL, CANADA
www.novocol.com
Booth E02/04

On display in Hong Kong is the company’s ProfiLax3 polishers and brushes system, available in three hardnesses. While the soft pink coloured brushes are supposed to simplify prophylaxis for sensitive patients and clean compromised teeth and gingiva gently, the stiffer yellow brushes are ideal for fast and accurate removal of temporary cements before finally fixing the crowns and bridges.

The fibres of NTI’s composite polishing brushes are impregnated with silicon carbide polishing particles for creating a perfect lustre finish on occlusal surfaces.

NTI-KAHLA, GERMANY
www.nti.de
Booth H16/18
Premier Dental’s newest non-eugenol resin cement was designed for implant-retained crowns. According to the US company, it is also suitable for temporary cementation of provisional restorations where long-term or increased retention is desired.

Made from a tough elastomeric resin, the material is said to provide secure retention and an excellent marginal seal. Because the retention is mechanical, the crown can be removed for adjustments or periodontal treatment without destroying the restoration, Premier said.

Premier has announced to have a number of other innovative products on display in Hong Kong. In addition to dental materials, the company offers practice hygiene products, instruments for different dental procedures, as well as cosmetic solutions like teeth whitening kits.

NOMAD Handheld X-ray

When US manufacturer Aribex introduced the first handheld dental X-ray system in 2005, the aim was to create an inherently safe X-ray device that could be held during radiograph exposure. Two models exist that are available to clinicians around the world (varies by jurisdiction).

NOMAD Dental weighs 4 kg and features a pistol-grip design, with rechargeable NiCd battery. It generates sharp, clear images with digital sensors, conventional film, or phosphor plate systems.

The next generation NOMAD Pro, available since 2008, weighs only 2.5 kg and has a rechargeable Li-poly battery in the handle. It also features a full-colour LCD user interface, preset exposure settings, and additional time-saving features in a sleek design. Each model is capable of taking hundreds of diagnostic-quality radiographs with a single charge.

According to Aribex, the NOMAD allows the operator to remain chairside with the patient during radiography. With the handheld X-ray system, not only can the operator stay in the room, they can also reassure anxious patients (including children). This makes the device a first choice for the treatment of special needs or sedated patients. It also shortens procedure time and reduces mistakes and retakes, the company said.

More than 30 independent evaluations and scientific studies have concluded the Aribex systems are both effective and safe—made possible by patented shielding on the X-ray source and the leaded acrylic backscatter shield on the collimator cone, which protects the operator from reflected radiation.

“The NOMAD has forever changed the way that dental radiography is performed,” said Dr Clark Turner, Aribex founder and CEO. “With over 10,000 units now currently in use, it has become a staple in dental operations everywhere.”

ARIBEX, USA
www.aribex.com

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Booth C10

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