Accelerated hydrogen Peroxide (AHP) is a patented synergistic blend of commonly used, safe ingredients that when combined with low levels of hydrogen peroxide have demonstrated to dramatically increase its perimicrobial potency and cleaning performance. The benefits and efficacy of AHP have been validated by third party clinical studies conducted by organisations and third party researchers that are recognized by government regulatory agencies in Europe, Canada and the US.

Studies also show that decision makers tend to focus on four key criteria when selecting a product: cleaning and efficiency, germicidal activity, personal health & safety and the environment.

With OPTIM 33TB, SciCan is not only offering a fast working virucide and bactericide formulated with AHP but also a ready-to-use surface cleaner and intermediate level disinfectant. The product is an EPA Category IV, which is the safest classification currently issued to registered disinfectants.

According to the company, it is based on a proven technology that breaks down its active ingredient, 0.5% hydrogen peroxide, into oxygen and water.

The technology is accepted in over 50 countries around the globe and available only through SciCan in dental markets.

SciCan, Canada
www.siccan.com
Booth F29

### OPTIM 33TB

COMPOSAN LCM AND COMPOSAN LCM FLOW

Promedica has one of its first class composites on display that is said 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 flow is an ideal lining material under composite and easy to apply directly from the syringes, 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 G15

### COMPOSAN LCM AND COMPOSAN LCM FLOW

DÜRR DENTAL PRESENTS NEW COMPRESSOR GENERATION

At IDEM Singapore, the German dental company Dürr is presenting for the first time its latest compressor series to dental professionals in Singapore and the Asia Pacific region.

First introduced at IDS Cologne in 2011, both the Tornado 1 and 2 are said to be robust, ultrasonic and economical while offering the same advantages from the first generation like 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.

An anti bacterial coating based on nanotechnology on the inside of the tank is supposed to ensure the highest level of hygiene. Both versions benefit from an optional membrane-drying unit that provides constant dry air and practically zero regeneration time which makes the compressors especially suited for heavy duty users.

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. Tornado compressors can be used for up to three operators. The output voltage can be adapted according to the requirements of each country.

Dürr Dental, Germany
www.duerrdental.de/en
Booth B02

### DÜRR DENTAL PRESENTS NEW COMPRESSOR GENERATION

NTI PRODUCT NEWS

This is supposed to prevent the mandrel coming into contact with the polished surface to avoid damage or discoloration of teeth, composite or gingiva. According to the company, the discs are available in four grit sizes. Their slimline design with diameters of 8 mm and 12 mm extends the range of applications.

Also on display at IDEM 2012 are the company’s diamond instruments for preparing zirconia, a material that has shown to be quite demanding to the preparation as well as instruments. The design of the XCut instruments (Fig. 2) was tailored to the extreme hardness of zirconia, so they offer longer service life and much greater cutting capacity than standard instruments, the company said. Even slimline diamond instruments are highly efficient owing to the modified electropolishing honing technology. According to the company, six selected shapes allow preparation of all types of zirconia crowns and bridge restorations.

Finally, the fibres of the company’s composite polishing brushes (Fig. 3) are impregnated with silicon carbide polishing particles for creating a perfect lustre finish on occlusal surfaces.

NTI Kahl, Germany
www.nti.de
Booth J24

### NTI PRODUCT NEWS

POSICAIN

With Posicaine, the Canadian company Novocol presents a local dental anaesthesia that can be used in both routine (Posicaine with epinephrine 1:200,000) and complex dental procedures (Posicaine with epinephrine 1:100,000)

With Posicaine, clinicians benefit from the neutral mylar label covered glass cartridges that are colour coded and sterilised to allow smooth injections and minimise the risks of wounds in case a cartridge breaks when in use.

Posicaine does not contain benzylalcohol or lactic acid in order to avoid allergic responses from patients that are sensitive to these compounds, the company said. Dental clinicians benefit from the neutral mylar label covered glass cartridges that are colour coded and sterilised to allow smooth injections and minimise the risks of wounds in case a cartridge breaks when in use.

Novocol, Canada
www.novocol.com
Booth C15

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SciCan, Canada
www.siccan.com
Booth F29

### OPTIM 33TB

Flexipol from NTI are highly flexible polishing discs for the purpose of producing a natural lustre on all nanohybrid and standard composites. The core of the Flexipol (Fig. 1) is made of silica with a thickness of 1 mm.

This is supposed to prevent the mandrel coming into contact with the polished surface to avoid damage or discoloration of teeth, composite or gingiva. According to the company, the discs are available in four grit sizes. Their slimline design with diameters of 8 mm and 12 mm extends the range of applications.

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2012
At IDEM 2012, the Korean dental imaging equipment specialist Vatech has currently its latest dental diagnostic system on display. With PaX-i, orthodontists are able to produce 2-D panoramic as well as cephalometric images that can be taken via two types of imaging configurations (One Shot and Scan type) for all clinical requirements, the company said.

Being optimised for the imaging needs of general practitioners as well as orthodontists, the system is said to offer a short exposure time of only 0.9 seconds and a flat panel X-ray detector for its one-shot cephalometric imaging unit that especially applies to orthodontic diagnosis. In addition, the company said to have reinforced the stability for the system through two built-in sensors for Pan and Ceph.

Users can now also take panoramic and scan-type cephalometric images with a single sensor that is interchangeable to minimize the risks of dropping, a risk often associated with detachable sensors.

According to Vatech, the PaX-i is available to customers worldwide. Since 2002, the company based in Seoul has been developing advanced imaging solutions for dentistry.

VATECH, REPUBLIC OF KOREA
www.vatech.co.kr
Booth LOT

With AIR-N-GO, the French Acteon Group aims to increase the possibilities of dental clinicians for care and treatment with one single hand piece. 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% 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 P19