The autonomous compact and high-powered piezo ultrasonic generator P5 Newton X5 as well as the RESISTOR, air/water syringe tips collection. The Sopix² features modern fibre optic based CMOS technology for exceptional image quality as well as two sensor sizes for capturing one to three teeth and bitewing X-rays. Its ACE technology makes it possible to control the amount of radiation accumulated by the sensor to prevent overexposure and ensure that images are always clear.

According to the company, Sopix² was designed to fit easily into every practice configuration. The RECIPROC instrument itself, the special design of the instrument replaces a number of hand and rotary instruments and is therefore designed for use in one molar maximum.

Developed by W&H from Munich in Germany, the RECIPROC system is supposed to simplify the procedure of preparing root canals while ensuring maximum security during the process. The root canal preparation results conform to the highest quality demands in this area and are made possible through the use of this new reciprocating movement coupled with the special design of the RECIPROC instrument itself, the company said.

In its back-and-forward movement with varying angles of rotation, the instrument cuts during the longer for-wards movement and dis-charges during the short-er backwards movement. These rotational angles have been programmed into the VWD.SILVER RECIPROC mo-tor and prevent RECIPROC instru-ments from being used beyond their specific elastic limit. Thus the risk of fracturing an instrument is minimised.

According to VDW, even extremely curved or narrow canals can be easily pre pared thanks to the instrument’s specific design and reciproc movement. RECIPROC instruments are made of an innovative M-Wire nickel-titanium alloy that offers higher resistance against cyclic fatigue while being much more flexible than conventional nickel-titanium alloys at the same time.

The Austrian dental man ufacturer VHW has equipped their Alegra turbines & contra-angle handpieces with the new LED+. This improved lighting technology is supposed to create a more re laxed working environment in dental practices at no ad ditional cost and regardless of which motor is used.

Dentists who work in sev eral treatment rooms but do not have a light source available on every dental unit are also a main target group.

The Liechtenstein-based dental company Ivoclar Vivadent has recently intro duced the first polychromatic ingot for the press technology. According to the company, IPS e.max Press Multi will allow dental laboratories to create highly aesthetic restorations that show a lifelike shade transition in just a press cycle and without time-consuming layering.

Similar to IPS e.max Press, the new ingots consist of lithium disilicate glass-ceramic, a material with a flex ural strength of 450 Mega- pascal providing a perfect fit, shape and function of the restorations. A patented processing technique from Ivoclar Vivadent allows to produce Multi restorations which are efficiently pressed by the new accessory components and the EP 3000 or EP 5000 press furnaces.

The final aesthetic properties are achieved with the co- ordinated products IPS e.max Ceram Shades, Essences and Glaze in a concluding characterization and glass firing cycle.

According to the company, IPS e.max Press Multi is suitable for the fabrication of highly aesthetic monolithic anterior and posterior crowns as well as veneers that show a lifelike shade transition from the dentin to the incisal. It will be available in one size, one Bleach shade and the nine most popular A–D shades.

The French Acteon Group has announced to showcase a number of products for dental practitioners at the APDC 2011 in Manila including their Sopix² digital X-ray system, the piezo ultrasonic generator P5 Newton X5 as well as the RESISTOR, air/water syringe tips collection.