

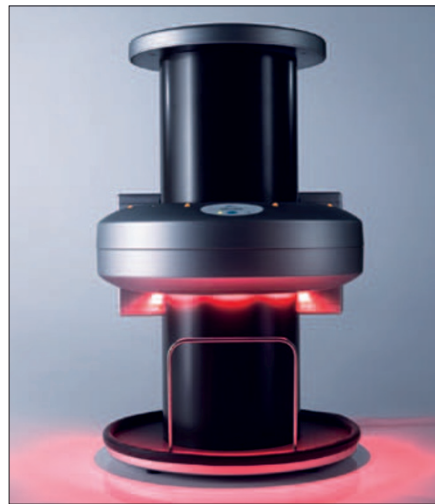
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## Simplifying X-rays

Durr VistaScan phosphor plate system from Imaging Technologies is a simple and quick to use system which is supplied complete with software and training. With an excellent image quality and simple conversion in the surgery, well-practised procedures are easily transformed from film-based to image plate technology.

There is no change in the X-ray procedure in the surgery, but you will find that many other aspects are simplified. Positioning and taking of exposures is exactly the same as film except for the reduced patient dose.

The large exposure range of the plate reduces the risk of over- or under-exposure. The scanning and controlled deletion of plates is done



automatically with the VistaScan Plus in a single process.

**Reader response number 50**

## Long-lasting strength

Diamond Carve Glass Ionomer Cement has a unique high strength polyphos-



phonate formulation and is extremely tough and durable. After six months it develops a compressive strength of 350 MPa and it also has a high resistance to edge chipping, combining the strength of amalgam with the adhesion and fluoride release of glass ionomers.

Diamond Carve is manufactured by Kemdent. It is currently running a special offer, where you can buy one pack of Diamond carve and receive one box of full arch Bite Registration wax free. The offer is valid until 30 September 2007.

**Reader response number 51**

## Ergonomic headrest

Sirona's new MultiMotion headrest can be inclined, tilted and rotated until the perfect position has been achieved. This gives the dentist an unobstructed view of the oral cavity, including inaccessible areas, while at the same time maintaining a relaxed posture. For their part, the patients feel comfortable and secure.

The rotation and inclination mechanism can be operated using one hand.

The existing motor-driven headrest model is designed for hands-free operation via the foot control. This helps to ensure effective infection control. When moving to the chosen position, the headrest bears the entire weight of the patient's head, thus taking the strain off the operator.

The upper-jaw and lower-jaw positions can be programmed together with the other chair settings, promoting efficient treatment workflow.

**Reader response number 53**

## New diode laser launched

JDSU has announced the general availability of its 2495-L3 Series 808 nanometer (nm) fibre-coupled diode laser. The diode laser incorporates new chip technology to provide a reliable and less expensive laser solution for many industrial, dental and medical applications.

It generates twice the power of previous offerings and provides the highest level of 808 nm brightness among single-emitter fibre-coupled diode lasers available in today's marketplace.

For soft tissue dental processes, the 2495-L3 diode laser allows a dentist to more accurately treat diseased gum tissue without disturbing surrounding healthy tissue. In the therapeutic medical area of bio-stimulation, the 2495-L3 diode laser provides localised heat to stimulate damaged muscle tissue to relieve pain and discomfort.

**Reader response number 52**



# IMPRESSION MATERIALS

## An alginate alternative

Freealgin is a new alginate alternative impression material. The product has alginate elasticity with silicone handling and stability. The medium bodied silicone comes in standard 50 ml cartridges or the new 380 ml hard cartridges for automatic mixing machines.

The new 380 ml hard cartridges feature foil-free delivery which means the cartridge drops straight into the machine, making loading easier, with no foil bag



to push into a cartridge sleeve. Freealgin has a fast 90 second intra-oral setting time and an exotic flavour.

[Reader response number 54](#)

## Function and fashion

Orasoptic Rudy Project Frames from Evident combine designer sports frames manufactured by Italian eyewear icon Rudy Project, with Orasoptic's HiRes magnification loupes. Developed to address increasing practitioner demands for equipment that is stylish, Orasoptic's new range successfully combines functionality with fashion.

Featuring optics made from the high grade glass and delivering clarity and sharpness, the loupes provide all the qualities of image clarity and width and depth of field. It maximises eye protection, features wrap-around carrier lenses whilst optimising the viewing area around the telescope oculars.

Made from exceptionally durable material the frame features adjustable temples and nose bridge that give a comfortable, customised fit. They are available in black, silver, and platinum colours, and supports both through-the-lens (TTL) and flip-up models of Orasoptic's HiRes loupes.

[Reader response number 56](#)



## No need to retake impressions

Astek have introduced two new products to their range that will help eliminate the need for retaking impressions.



Kromopan 100 Alginate, a chromatic alginate, is manufactured by Lascod, Italy. Its colour coded handling sequence and smooth, creamy formulation results in accurate impressions that are stable for 100 hours. Its 30 second intra-oral setting time and light mint flavour ensure patient comfort. Bulk packs are available at RRP £110 + VAT (20 x 450 g bags).

The Alma Alginate Syringe enables alginate to be placed in those hard to reach areas prior to taking an impression, which creates precise results. Its angled filling end and autoclavable design make the Alma Syringe easy to use and clean. It is available at RRP £12.99 + VAT.

[Reader response number 55](#)

## Fast setting putty

Henry Schein has announced the introduction of new impression material Colorise from Zhermack to its product portfolio.

With a setting time of two and a half minutes in the mouth, Colorise is a fast set putty/wash impression system, but with three advantages.

It has unprecedented hydrophilic properties enabling enhanced impression

detail and a pleasant light vanilla flavour. It also has a colour changing wash to identify the end of the working stage,

indicating it is time to insert the tray into the mouth.

[Reader response number 57](#)



## Hassle-free hygiene

The new Classic Impression Disinfectant Spray from The Dental Directory for disinfecting dental impressions has a ready to use aldehyde-free formula that is effective against bacteria, fungi and MRSA.

You simply spray and leave, and it will dry out within five minutes. It can be used on silicone, polyether and alginate impressions.

**Reader response number 58**



## Accurate impressions



The rigidity of Myerson's Premier T-Loc Triple Trays ensures three accurate impressions in one. These patented trays provide upper and lower impressions whilst recording the bite at the same time. Patients appreciate this simple and logical device as it means that they spend less time with a mouth full of impression material.

The in-built retention tracks mechanically lock in the material and the thin, loose webbing of the T-Loc Triple Tray maximises intercuspation of the teeth, reducing water sorption. The thinnest occlusal wafer ensures an extremely accurate bite impression. These rigid trays incorporate low sides, a thin posterior bar and wide impression areas for greater patient comfort and a more accurate impression.

**Reader response number 59**

## Eliminate vibration

Coltène Whaledent's Diatech Speedster carbide burs are specifically designed for the rapid reduction of amalgam, gold, porcelain, PFM and enamel. The computer designed bur flutes are cut in concentric one-piece solid carbide, to

eliminate vibration and give a longer cutting life.

With higher cutting efficiency crown removal is two to three times faster than equivalent diamond and other carbide burs and the exclusive end cut design is excellent for endo access.

**Reader response number 61**

## Speed and simplicity

G-Cem from GC Europe is a dual-cure self-adhesive universal resin cement in a capsule, designed for adhesive luting of all-ceramic, metal or composite indirect restorations.

With CAD-CAM and metal-free restorations becoming so popular, G-Cem was developed with the aim of combining improved handling and self-adhesion of conventional cements with the superior mechanical properties, adhesion and aesthetic qualities of resin cements.

It has a high bond-strength to enamel in both self-cure and light-cure modes, long-term stability and the highest colour stability, since there is no dissociation after curing. There is no need for pre-conditioning on both the tooth and

prosthetic appliance, it has a higher fluoride release than any self-adhesive resin cements and is provided in economical big-volume capsules (0.37 g).

It is indicated for metal and porcelain fused to metal crowns, bridges, inlays and onlays, all ceramics and composite crowns, bridges, inlays and onlays and prefabricated metal, fiberglass and ceramic posts.

**Reader response number 62**



## Translucent posts

Dentsply Maillefer has introduced the Radix Fiber Post to its range of products. These translucent posts are available in a full range of sizes for use as reinforcement for the reconstruction of both posterior and anterior teeth.

Where aesthetic considerations are paramount, they can be used with curing lights, ensuring a rapid and controlled clinical technique. Other features include a colour-coded range, matching their corresponding precision drill for easy recognition and high flexure resistance.

At a typical working angle of 10° to 30°, the posts have a very similar elasticity to that of dentine. The post mimics the stress distributions of healthy teeth and reduces the risk of fracture of the root. They have a dual-taper design with conical region for load transfer and cylindrical region for retention in tooth, while the micro-structured surface ensures an optimal bond is achieved between post and cement, minimising the risk of post decementation or dislocation.

**Reader response number 60**



## Wand-style light

Kerr has recently launched Demi, a wand-style, ergonomic LED curing light from Demetron with Periodic Level Shifting (PLS) technology that delivers a true 5-second cure for universal composite shades A3 and lighter.

With PLS, Demi pulses from a baseline output of 1,100 mW/cm<sup>2</sup> to a peak of 1,330 mW/cm<sup>2</sup> for ¼ second of each one second exposure. Additional Demi features include multiple time settings, timer mode recall, an 8-minute sleep mode, and a low battery indicator.

The unit includes an interchangeable Lithium-Ion battery and charger that can charge two batteries simultaneously. As with all Demetron lights, a whisper-quiet fan prevents the unit from overheating and extends the overall life of the LEDs. All Demetron light guides are compatible with the new Demi.

**Reader response number 63**