

## Intelligent OR light adjusts to ambient conditions

The iLED 7 from TRUMPF MEDICAL delivers optimum assistance to surgeons and OR teams. Fluctuating light conditions in the operating room can be a serious impediment and may significantly hinder the surgeon's working procedures. The iLED 7 features a 3D sensor system that continuously analyses its environment. This information is evaluated and relayed to the lighting control system. As a result, the iLED 7 automatically adjusts to the needs of the individual surgeon, who is able to fully concentrate on the tasks and processes at hand.

With its automatic lighting and shadow management capability, the iLED 7 detects obstacles within the illuminated field, autonomously re-adjusts the defined configurations, rendering manual readjustments more or less superfluous. In combination with the intelligent distance measurement system, it guarantees constant



lighting intensities at between 80 and 130 cm. The illuminated field diameter also remains consistent, even when the working environment spontaneously changes during the operation – through the hand and arm movements of the operators for example – even with a minimal illuminated field size down to 14 cm in size. In this way, the iLED 7 provides optimum lighting whatever the situation and offers the surgeon the best-possible view of the operating area.

## Ultrasound for regional anaesthetic procedures

A SONOSITE X-Porte point-of-care ultrasound system is proving a key asset for regional anaesthesia at the Queen Elizabeth Hospital King's Lynn NHS Foundation Trust, as consultant anaesthetist, Dr James Stimpson explained: "Queen Elizabeth was one of the first Trusts in the UK to set up an ambulatory service for major shoulder surgery, and has been using ultrasound for regional anaesthetic procedures since 2004, when it purchased a SonoSite MicroMaxx system. Since then, as the use of ultrasound has increased and the technology continued to advance,



further systems have been added, including two SonoSite S-Nerves and, more recently, an X-Porte."

The touch screen interface of the system is very intuitive to use, while the quality and resolution of the images enables much clearer differentiation of nerve tissue from other structures. "Our ability to pick out small cutaneous nerves has been revolutionised, allowing us to perform more selective regional anaesthesia and enabling patients to mobilise and return home far sooner than would otherwise be possible," Dr Stimpson commented.

## Syringe infusion pump

SMITHS MEDICAL has launched the new Medfusion 3500 V6 syringe infusion pump with PharmGuard Toolbox 2 medication safety software, to provide highly configurable medication delivery. The new pump, coupled with the medication safety software, can configure clinical care areas and drug protocols, to enhance patient-centric care strategies and workflow. The improved workflow was developed after extensive testing of the user interface with a range of healthcare professionals, along with input from customers around the world.

The pump can be used with or without a custom drug library. The intelligent Windows-based PC PharmGuard safety software allows healthcare professionals to develop



customised drug libraries according to hospital-defined dosing best practices and download the libraries to Medfusion 3500 V6 syringe pumps. The PharmGuard software's Dose Error Reduction System (DERS) helps minimise the potential of programming errors – every infusion begins safely because the pump starts within custom maximum and minimum dosing limits. There are 125 delivery mode combinations and an advanced flush feature to help satisfy patient needs.

## Versatile patient trolleys

SIDHIL's E-Med range of high performance, variable height patient trolleys are designed to provide a safe and comfortable surface to support diagnostic and treatment procedures in the acute environment. Offering flexibility for applications in A&E, hospital wards, day case surgery, x-ray and general transfers, the E-Med trolleys are configured to combine an ergonomic, slimline profile for ease of manoeuvrability while retaining a wide platform for patient comfort, complete with compass side rails for optimum safety, reliability and facilitating minimum gap transfers.

The E-Med 1200 two section and E-Med 1400 four section trolley with kneebreak feature a smooth, adjustable height range of 56-88cm, easily operated using dual sided foot controls, and have been developed specifically to allow easy interface with medical devices, including radiological equipment.



## Endoscopic device for improved adenoma detection

AQUILANT ENDOSCOPY has launched EndoRings, its latest endoscopic device to aid gastroenterologists in improving care of patients. The innovative product easily attaches to the distal end of adult and slim colonoscopes to provide improved visibility, scope centring during screening and anchoring during endoscopic therapy.

In a recent international multi-centre 'CLEVER' study evaluating EndoRings in 126 patients, the adenoma detection rate was found to be 51% when using EndoRings, versus 29% with a standard colonoscope (a relative improvement of 70%). The number of polyps and adenomas detected when using EndoRings was more than twice that of standard colonoscopy. The device has three layers of flexible, soft circular rings that gently flatten folds within the colon during withdrawal allowing improved visibility of the colonic wall. Lesions hidden behind these folds are easily missed during standard endoscopy which can lead to a late diagnosis of cancers. Made from flexible silicon, EndoRings are supplied sterile and for single use only. The EndoRings device is compatible with all leading colonoscopes.

## Solutions to support infection control

ARJOHUNTLEIGH has significantly invested in its national infrastructure including a new Rental Operations Centre in Manchester. The facility will maintain, refurbish, clean and decontaminate all its rental product lines as



well as providing training and conferencing facilities.

One of the company's key areas of focus is its decontamination services. ArjoHuntleigh decontamination solutions have been designed to complement Trusts' infection control strategies and offer maximum protection for patients and carers. The decontamination options available include thermal, chemical and ozone technology. A quotation and repair service is also offered if required. The service includes collection and return within agreed lead times. All policies and procedures are written in compliance with the most current guidance and legislation and ArjoHuntleigh is audited for consistent quality to Choice Framework for Local Policy and Procedure (CFPP) 01-04 – Decontamination of linen for health and social care: Social Care Manual.

ArjoHuntleigh utilises the services of an independent company (Andersen Caledonia) to swab its laundry facilities and vans on a regular basis to ensure it maintains the highest decontamination standards. ArjoHuntleigh also uses an ATP monitoring system for further validation of its cleaning and decontamination procedures.

## Simple routing system for the OR



The KARL STORZ OR1 mini is an affordable and simple routing system consisting of a 10.5" tablet and a video image processor, which makes it possible to route different digital and analog signals in the OR.

OR1 mini provides an answer to the OR workflow efficiency problem with simple integration, while optimising the workspace in the OR. The surgical team is able to control all video devices and displays via a tablet. The tablet gives flexibility within the theatre and the video image processor provides up to 10 input sources and up to five destinations.

## Versatile range of lights

Astralite *plus* is BRANDON MEDICAL's latest offering; providing a lighting solution for a wide range of requirements. Higher intensity bright light at 1m provides 100,000 lux or 60,000 lux; providing ample light for even the most demanding procedure. With a larger illuminated area of 195mm diameter, it makes it easy to illuminate large areas of tissue and to target the light on the wound.

The beams of light from Astralite *plus* have a focus depth of 970mm to penetrate into deep cavities. It reproduces all of the visible colours naturally and accurately. The high Ra>94 describes the exceptionally high quality of white light, while the high

R9>92 measurement describes how it accurately illuminates red tissue.

The Astralite *plus* is designed so that the light head can be positioned all the way around the couch to examine all parts of the patient. The five rotations allow easy positioning of the light beam from any angle. LED life is 50,000 hours which equates to more than 20 years of normal use.

Astralite *plus* uses <30 Watt to produce 100,000 lux or <18 Watt to produce 60,000 lux. LEDs are mercury free and do not contain CFCs, POPs, VOCs, halogens or other harmful chemicals. Never having to change a bulb for the lifetime of the product means that Astralite *plus* is highly economical.

## Privacy at the touch of a button



WARDRAY PREMISE now offers switchable/privacy glass in its products. Switchable glass can be fitted in Wardray RF shielded or lead shielded products, providing privacy at the touch of a button in MRI and x-ray facilities.

Switchable/privacy glass windows are transparent when the mains electrical current is operating. Then at a simple switch of a button the glass, in its unpowered state, is an opaque window. This provides instant privacy without the need for blinds. Switchable glass (mains powered) for RF shielded windows, lead shielded windows and x-ray protective screens is available up to a single sheet size of 2000mm x 1000mm.

Wardray also offers switchable vision panels which can be inserted in lead shielded doors, while ensuring the integrity of the radiation shielding. This version of switchable glass is battery powered. The switchable/privacy vision panel is positioned in the lead shielded door with the battery concealed, but accessible for ease of replacement.

## Advanced antimicrobial touch-point protection for curtains and slide sheets

ALL IN ONE MEDICAL is a UK manufacturer of high quality antimicrobial disposable cubicle curtains, roller blinds, slide sheets and other hygiene products. The disposable products not only maintain patient privacy and dignity, but are also scientifically proven to quickly kill 99.999% of bacteria. The company's broader range of hygiene products are designed to provide Log 5 antimicrobial protection at all touch-points in hospitals, GP surgeries, clinics, and at home.

