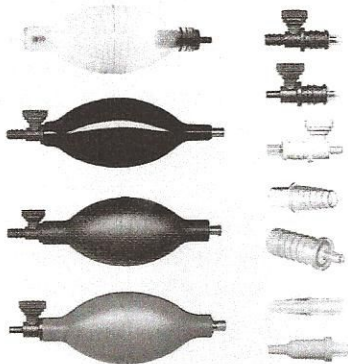


compact size for high-performance medical, ophthalmic, and other imaging applications calling for high image resolution. It enables system design engineers to develop quickly autofocusing smart-camera systems and then integrate them into such products as portable diagnostic systems for blood-screening patients. Autofocus capability is key to achieving high resolution in small, fast systems. The kit centers on a focus module that employs patented closed-loop piezoelectric smart-actuator technology to deliver high-precision motion of glass or polymer lenses up to 5 g in mass in a form factor of approximately 1 in. cubed. Kits can be customized with a choice of standard and custom lenses for OEM optics as well as image sensors with up to 14 MP resolution.

D3 Engineering
Rochester, NY
www.d3engineering.com

Hand Pumps

Designed to inflate or deflate a variety of products and able also to be used for evacuating reservoirs, a line of hand pumps offers OEMs several options in terms of configuration, size, and color. The pumps are molded as standard from latex-free and metal-free materials and are available as well in PVC and DEHP-free PVC. They come with 50- and 80-cm³ displacements and can be supplied with several check valves and connector configurations that satisfy the requirements of various applications, including infusion cuffs, blood



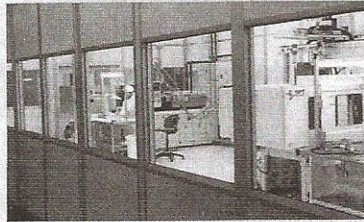
pressure cuffs, air cushions, surgical devices, drainage systems, air sampling kits, air-cast systems, and blood pumps.

Halkey-Roberts
St. Petersburg, FL
www.halkeyroberts.com

MOLDING

Cleanroom Molding

A contract provider of medical device components and assemblies has added a Class 100,000 cleanroom in which it can mold medical components, specifically by means of liquid injection molding of silicone



rubber. The company now operates five cleanrooms for carrying out such manufacturing processes as liquid silicone rubber molding, gum silicone molding, silicone extrusion, custom rubber molding, thermoplastic molding, and secondary assembly. The company is taking advantage of the new cleanroom space to expand its two-material overmolding capabilities involving liquid silicone.

MRPC
Butler, WI
www.mrpcorp.com

Pouch Dispenser

A company that develops packaging units for medical components has released the SUR-PAK pouch dispenser. The unit comes on an adjustable height stand with castors for easy integration into packaging lines. It is self-threading and will feed, cut, and place pouches, in roll form or continuous bandolier form, directly into a product or packaging line. The unit dispenses pouches up to 89 mm/3.5 in. wide and 6 mm/0.25 in. thick at speeds of up to 100 pouches per minute.

AZCO Corp.
Fairfield, NJ
www.azcocorp.com

Dry-Lubricant Coatings

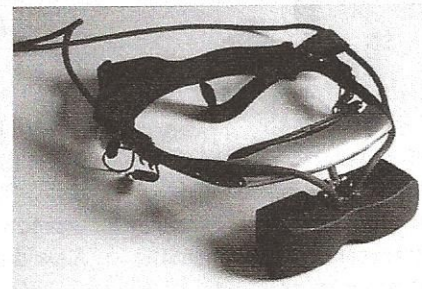
A line of dry-lubricant coatings meet biocompatibility requirements for ISO 10993 certification. Thus, the coatings can be used to facilitate actuation of medical devices intended for topical use in clinical indications where the surface or lining may have been

breached, the local tissue responses having been evaluated. Using a lubricant that has been tested and certified to ISO 10993 can give a medical OEM confidence that the device will pass the necessary biocompatibility tests within a predictable period of time. This family of coatings, which are applied in a thin, smooth film over any surface via proprietary microdispersion PTFE technology, is designed to overcome problems with assembly or component movement in finished devices that are due to stacked tolerances. The supplier can provide custom formulations of these dry-lubricant coatings.

MicroCare Medical
New Britain, CT
www.microcaremedical.com

Active Matrix OLED Microdisplay

A developer of OLED microdisplay technology and personal display systems has announced a prototype of a high-resolution, full-color microdisplay. The WUXGA OLED-XL is intended to serve the needs of OEMs seeking to design next generation medical devices and diagnostic equipment. The microdisplay is an active-matrix organic light



emitting diode microdisplay intended for near-to-eye applications that demand high resolution, high image quality, compact size, and very low power. The WUXGA includes a very low-power, low-voltage-differential-signaling (LVDS) serialized interface for video data transport that minimizes the number of board interconnections and connector size, reduces electromagnetic emissions (EMI), and enables a lightweight and flexible cable link to a remote video source. Compatibility with standard LVDS drivers simplifies the system integrators task.

eMargin
Bellevue, WA
www.emargin.com