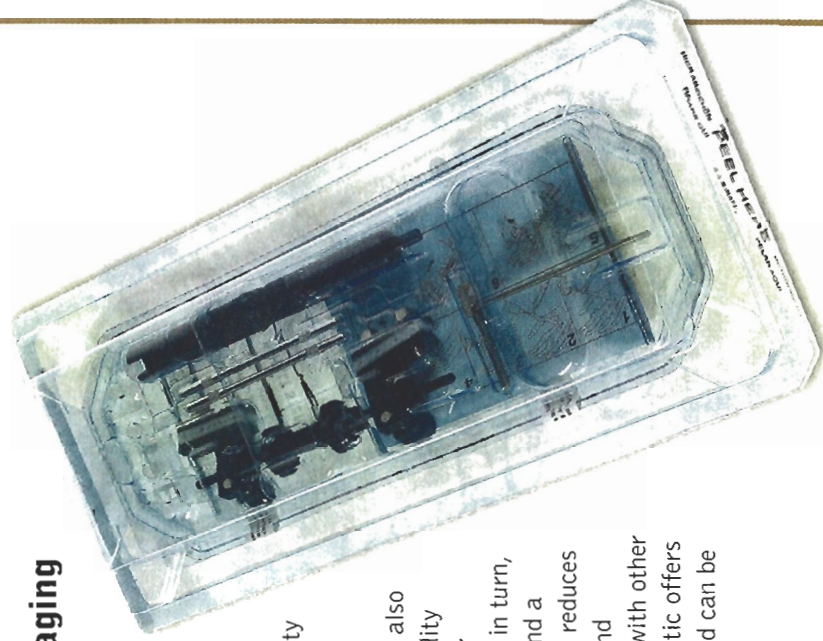


PRODUCTS AND SERVICES

Copolyester for Rigid Packaging

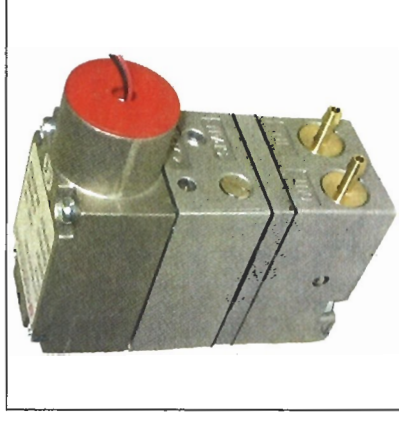
Optimized for rigid medical packaging, a copolyester exhibits higher heat resistance, better clarity, and greater toughness than competing polymers, according to its manufacturer. Impact and shatter resistant, the MP100 Tritan copolyester's toughness and design flexibility ensure protection of sterilized devices against damage and breach of the sterile barrier. The material's high heat resistance also provides numerous sterilization and durability advantages. This property allows for higher sterilization chamber temperatures, which, in turn, can translate into faster EtO cycle times and a reduced risk of warping or sticking. It also reduces the impact of aging, the company states, and increases a package's shelf life compared with other materials. In addition, the high-clarity plastic offers approximately 90% light transmittance and can be easily processed.

Eastman Chemical Co.
KINGSPORT, TN
www.eastman.com



Pressure Transducer

Marketed as an environmentally friendly product, a line of pressure transducers features very low power



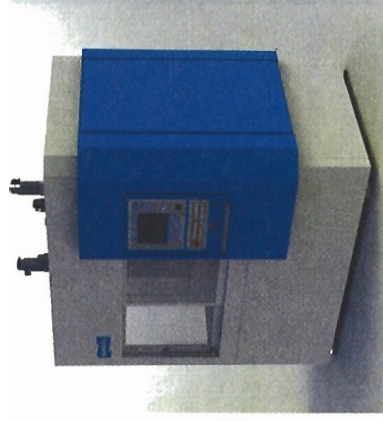
consumption, which saves energy and minimizes gas lost to the atmosphere, according to its manufacturer.

Consisting of a cast-aluminum construction and brass hose barb fittings, the transducers are equipped with a standard zero-reset function, which enables fast installation, setup, and field calibration. Based on the electrical input signal, the 0- to 10-V-dc H211 and the 4- to 20-mA H411 supply a proportional pneumatic output that is typically in the range of 3 to 15 psi and accurate to within 2%. Both models can be employed in various medical systems, including diagnostic equipment.

Fairchild Industrial Products Co.
WINSTON-SALEM, NC
www.fairchildproducts.com

Honing System

Building on its expertise in high-volume honing systems for the automotive market, a company has introduced a flexible-stroke honing system for low- and medium-volume production runs. Suitable for use in the manufacture of such medical



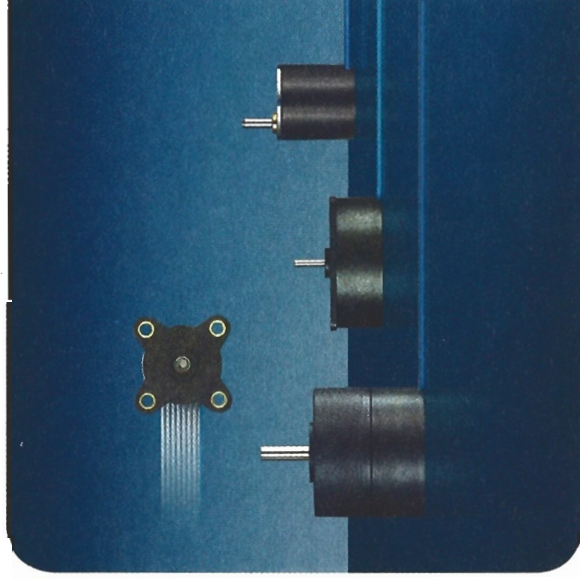
products as spinal and orthopedic implants, the Eco 40 system can be equipped with up to three honing and postprocessing gauging stations and can finish bore sizes ranging from 3 to 40 mm. Integrated into the postprocessing gauging system and honing spindle is an automatic tool wear-compensation system that monitors bore size on each part and automatically makes fine, submicron-level adjustments to ensure bore accuracy. Additional features of the system include fully automated or manual operation, automatic form error recognition and correction, and tool feed and applied torque monitoring.

Nagel Precision Inc.
ANN ARBOR, MI
www.nagelusa.com

Flat Dc Micromotors

Two flat, brushless, dc micromotors are suited for use in a variety of portable devices or for continuous-duty operations in medical applications. The 15-mm-diam motor provides a continuous output torque of 0,6 mN•m, while the 26-mm-diameter model offers an output of 3,8 mN•m. Users can increase the output torque to 30 or 100 mN•m, however, with gearmotor versions of the new drives; they are supplied with reduction ratios of 6 to 324:1 or 8 to 1257:1 within the same overall length. Features of the motors include smooth operation, high efficiency, long operational lifetimes, and no cogging. Electronic commutation is based on three digital Hall sensors.

MicroMo
CLEARWATER, FL
www.micromo.com



Carbide Milling Cutters

Available in sizes ranging from 1/8 to 1 in., carbide milling cutters can be used to machine such materials as carbon steel, gray cast iron, stainless steel, and superalloys in both wet and dry applications. The Jabro-Solid² shoulder mills are designed to remove large quantities of material quickly and can be employed in a variety of applications, including medical device manufacturing. Engineered with an increased core diameter to enable larger cuts, the JS510 series is offered in 2-, 3-, and 4-fluted cutters for side milling and slotting operations. Supplied with 3- or 4-flute configurations, the JS550 features double-core technology for added stability and reduced tool deflection. Benefits of the tools include reduced inventory, lower cost per cutter, lower cost per part, and fewer tool changes, according to the manufacturer.

Seco Tools Inc.
TROY, MI
www.secotools.com



MPMN ONLINE For more product and service descriptions, as well as supplier capabilities, go to qmed.com