

Products: Motion Control

Built-in motor encoders



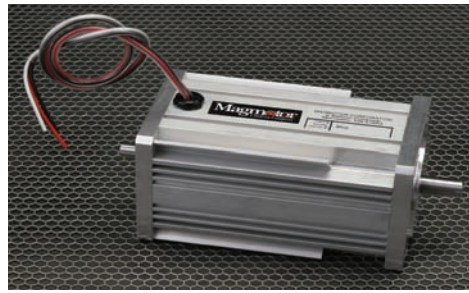
Bodine Electric Company has announced Incodermotors, a selection of permanent magnet dc and brushless dc motors and gearmotors that are equipped with encoders inside the motor. The units are a pre-wired and tested motor-encoder combination that is ready to drop into an OEM design. The 4.5 to 12 V magnetic encoders are available with one or two hall sensor output signals in resolutions of 2, 4, 8 and

30 ppr. They work with digital tachometers or other electronic devices to measure speed, distance and direction.

bodine-electric.com

Info Card 437

NEMA 23 brushless dc motor



The 8-pole NEMA 23 brushless dc motor announced by Magmotor is said to be ca-

pable of 20% more torque than a standard 4-pole servo motor configuration. The design produces a continuous torque up to 230 oz in. and a peak torque of 690 oz in. A variety of electrical and mechanical options are available, including an enclosed encoder, or sealed for IP65 wash down requirements. Custom mounting configurations and winding configurations are also possible.

magmotor.com

Info Card 439

Inverter drive technology

Leeson Electric has introduced the SM2 series Flux Vector drive has a power range of up to 25 hp. Unit features include four modes of operation (V/Hz, Enhanced V/Hz, Vector Speed, and Torque), high start-



ing torque, auto tuning, advanced low-speed control, and dynamic speed regulation. Other specifications include: supply power that is either single phase (120, 208, 220 or 240 Vac) or three phase (208, 240, 400, 480 or 600 Vac, 50/60 Hz). Output frequency is 500 Hz standard or 1000 Hz optional. The enclosure is certified NEMA1, IP21, -10° to 55°C, 2.5% derate per °C above 40°C.

leeson.com

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Products.

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High-torque servo motors

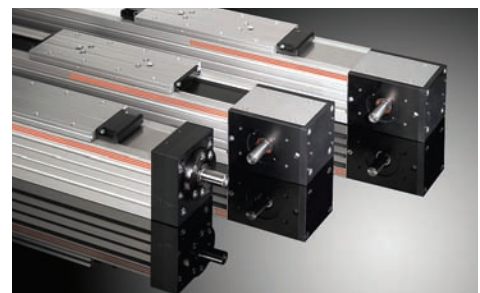


Parker's Electromechanical Automation Division has announced two high-torque motors from its MaxPlusPlus (MPP) servo motor line. The MPP230 and MPP270 frame sizes increase the torque range of the existing MPP product line up to 162 Nm of continuous stall torque, and a peak torque of 513 Nm. A resolver and Stegmann single- and multi-turn absolute encoders is available, along with a 24 V brake option and a shaft seal. The motors are UL and CE certified.

parkeremotion.com

Info Card 441

Rodless actuators



The Extrak RM and LM Series rodless actuators from Exlar offer roller screw technology or high speed belt drives. With the roller screw driven versions, higher thrust loads and longer life than ball screw driven rodless actuators are said to be offered. The actuators offer users the choice of motor brand and type – brushless servo, stepper, dc or ac motor. Input transmission options include direct coupling and parallel belt and pulley drive. The rodless actuator's modular body and platen designs offer the user multiple mounting methods from a variety of T slots and threaded holes. The actuators are available in 3 metric frame sizes (65, 80 and 110 mm) with stroke lengths to 7.5 m and speeds to >9 m/s.

exlar.com

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