Integrated drive+motor offers 125 ounce inches of torque

Applied Motion Products is pleased to announce the addition of eight integrated drive+motors to their line of Ethernet and EtherNet/IP motion control products.
The new STM23 models fuse a high performance motion controller with 100 MBit Ethernet communications to a high torque NEMA23 step motor. Connecting to an Allen-Bradley ControlLogix, CompactLogix or MicroLogix PLC. EtherNet/IP is also available.

The STM23Q-2Ex provides 125 ounce inches of torque, while the longer STM23Q-3Ex produces 210 ounce inches. Both models are available with an optional 4000 count/rev optical encoder, safely housed inside, that can detect and prevent motor stalls using Applied Motion’s proprietary stall prevention algorithm. Our auto tuned digital current control provides smooth, quiet motion, while an advanced anti-resonance algorithm with electronic damping allows for maximum torque utilization, rapid acceleration, and fast settling times.

Software applications can communicate with the STM23 in real time, using the SCL and Q languages over standard 100 megabit Ethernet cabling, addressing and protocols. Ethernet can transmit data at 100 times the speed of CANopen and more than 1000 times faster than RS-232 and RS-485. The number and types of devices that can share a network are practically unlimited.

Even if you are just programming a Q drive for standalone operation, the Ethernet option can be more convenient than chasing down a USB-serial converter and trying to remember which COM port it uses. Just plug the drive into your office network, install our free, easy to use software, and you’re ready for programming and configuration.

50 piece pricing begins at $371 US/ea. Delivery is 1-2 weeks.

Applied Motion Products, www.applied-motion.com [1]

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[1] http://www.applied-motion.com