



## Press Release

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### **ABSOLUTE ENCODER EMBEDDED IN TO ELMO'S MOTION CONTROL SIMPLIQ CORE**

New *SimplIQ* Optional Feature Supports Absolute Encoders

**Westford, MA, January 30, 2007- Elmo Motion Control, Inc.** today announced the release of its latest *SimplIQ* optional feature with new feedbacks for its industry leading digital servo drives. The *SimplIQ* core now supports two types of absolute encoders:

- Absolute encoders with serial communication for the absolute position and sin-cos analog signals for high resolution
- Fine and coarse absolute encoder with two pairs of analog signals: sin -cos for the absolute position (coarse) and additional sin-cos signals for the high resolution (fine)

Elmo's *SimplIQ* firmware supports absolute (single and multi-turn rotary and linear position sensors from Heidenhain (Endat 2.1 format) and Stegmann (Hiperface format). The absolute position is initially formed when the drive is powered up and communicates through the serial communication interface using the adequate position formats. The high resolution is derived from high resolution interpolation of the sin-cos.



Elmo's new *SimplIQ* firmware also includes "on-the-fly" drive temperature indication to analyze the drive's thermal operating zone. This feature can be used for the thermal characterizing during the developing stage or during the operation of the machine.

### **Encoder via CANOpen**

An additional new feature is an encoder over CAN mode to allow the drive to connect to DSP406 CANOpen encoders as the auxiliary feedback. This is an ideal solution for follower, master/slave and ECAM applications where there is no need to wire the master encoder to all other drives. The master's encoder position is simply transmitted via the CANOpen communication.

### **About Elmo Motion Control**

Elmo Motion Control designs, produces and markets highly efficient and compact servo amplifiers and digital servo drives for brush and brushless and AC motors. Elmo's *SimplIQ* products are integrated in robots, semi-conductor production equipment, avionics, machine tools, packaging equipment, textile equipment, medical equipment and anywhere highly precise and reliable equipment is necessary. For more information, visit [www.elmomc.com](http://www.elmomc.com).

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