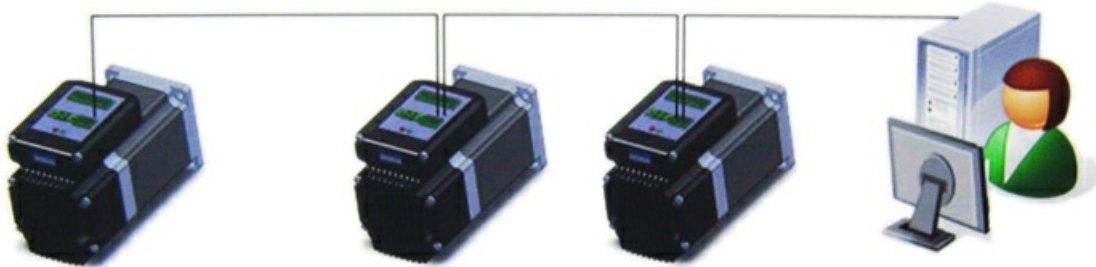


## *Closed-loop stepper controller with CANopen support*

**Leadshine (China) has developed the IES series of stepper motor controller for Nema-17, Nema-23, and Nema-24 compliant drives. The combined servo drive and motor doesn't require a separate encoder.**



THE IES

(INTERGRATED EASY SERVO) comes with a CANopen interface compliant to CiA 301 and CiA 402 (also standardized as IEC 61800-7-201/301). It can communicate with data rates up to 1 Mbit/s. The stepper motor supports also the CiA 402 homing mode. The closed-loop control eliminates loss of synchronization, which may be caused by abrupt load fluctuations or accelerations. Compared to servo systems, the introduced product doesn't need much configuration. It provides also an improved stiffness at standstill. The product is protected against over-current and over-voltage as well as positioning following-errors. It features four general-purpose digital inputs and one single-ended analog input. Additionally, it is equipped with two open-collector digital outputs.