

E-Drive with servo motor

high performance electric valve actuation

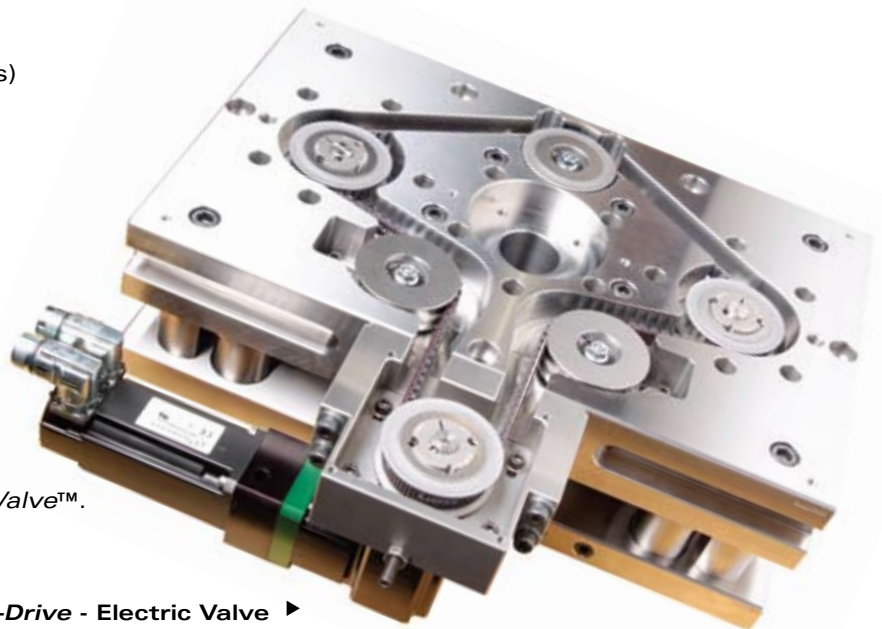
E-Drive is the new, commercially viable electric valve gating solution designed for multi-cavitation and precision molding applications in clean room and oil-free environments.

Its valve pin plate concept utilizes the full capabilities of servo technology without any compromise in speed or force. The servo motor's power is transmitted to the valve pin plate by a timing belt and two ball screws resulting in precise linear motion to open and close the gates.

The easy-to-use *E-Drive* controller ensures precise set-up and full motion control. Absolute position encoder and servo feedback control guarantee the correct positioning and make pin position re-adjustment unnecessary.

key features:

- designed for multi-cavity molds (2-32 cavities)
- shortest pin open and close times (~0.1sec),
- stroke 1 to 10mm
- duty cycle of 1.5 seconds
- high, repeatable precision
- easy set-up and control navigation
- suitable for Master-Series Femto, Pico, and Centi nozzles (pin diameter 3mm) and various valve gating options including *Accu-Valve*™.



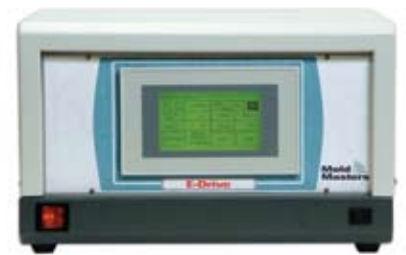
E-Drive - Electric Valve Gate Actuator (top view)

compact control

The *E-Drive* is operated with a compact and easy-to-use control unit containing the servo amplifier and a touch screen panel for set-up and monitoring. No additional equipment is needed.

key features:

- reference pin position set-up
- adjustable pin stroke
- trigger signal input for opening and closing
- additional timer based valve pin closing
- end stop set up



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