Electric Valve Gate: eGate®

More Control in Your Hands

Stabilize your Process
The finest degree of possible

Higher quality. Reduced waste.
Highest uptime. Faster set up.
Repeatable process. Lowest operating costs.

If these are urgent priorities for you, then the eGate® hot runner system was designed with you in mind. eGate is cleaner and more efficient than any hydraulic and pneumatic systems. With eGate, you can realize greater process improvements for your existing parts, and be more competitive in bidding new parts. Only eGate lets you precisely (and easily) control each valve pin’s position, acceleration, velocity and stroke. It’s a new degree of control that will introduce limitless possibilities for tackling the most challenging applications.
Individual real-time pin control
allowing for unprecedented flow rate control

eGate takes valve gate hot runner molding to a new level of control. eGate’s individual pin controls differ from traditional electric plate actuators that drive all the pins from a single plate. For the first time, you can precisely — and individually — control up to 64 valve pins and set position, speed, acceleration and stroke. Open and close valve pin positions within 0.01 mm. Set each pin and monitor the process, pin by pin, using the eGate controller and eGate Shop software. Precision control of each pin is the key to superior part quality, including the ability to:

- Eliminate surface defects
- Meet ultra-critical part specifications
- Save and recall “recipes” for consistency and repeatability across all production runs
- Optimize balance in multi-cavity tools
- Improve productivity with quick setup and no maintenance
- Save operating costs with a system that is 93% more energy efficient than traditional valve gates
- Enable a wide range of family molding and modular tooling

Stable processes are paramount to maximize efficiency and output. eGate’s superior control, precision and repeatability result in immediate cost savings to you.

eGate is a new generation of technology for today’s demanding applications

eGate was designed to handle the demands on precision molders to deliver more complex parts at a lower cost with better quality — time after time. eGate meets the injection molding complexities of applications requiring:

- Close tolerance parts
- Family tools/modular molding
- Sequential/cascade molding
- Cosmetic surfaces
- Multi-shot/multi-material applications
- Clean room/electric environments

A productivity breakthrough that fits in the palm of your hand

Small changes can represent big breakthroughs. eGate features the industry’s first remote control device for a hot runner system. For the first time, you can adjust pin positions remotely and eliminate the downtime associated with mechanical intervention.
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