Hot Runner Systems

Productivity Built Since 1958
INCOE® Corporation was founded in 1958. Our original patented design pioneered the development of the first commercial hot runner nozzle for the injection molding industry. This forward thinking approach paved the way for all who followed with design concepts consistent across all major hot runner system technology suppliers worldwide.

Today, INCOE® provides advanced hot runner technology solutions to global markets supported by experience; a long-term commitment to quality, partnership and most importantly, application specific support. With your bottom line in mind, our hot runner systems offer innovative technologies to provide the very best price/performance ratio available on the market. Supported directly by INCOE® in over 35 countries, INCOE® hot runners are productivity built... Right From The Start.

INCOE® support around the world

TURNKEY PERFORMANCE VALUE AROUND THE WORLD

Unitized hot runners systems, complete hot halves, expanded gating selection, temperature and gate sequencing control technologies deliver unsurpassed turnkey performance value - all from a single supplier.
Since 1958, INCOE® has engineered productivity built hot runner systems for a wide range of molding applications. Large selections of modular components are available to create a customized solution for precise melt delivery. Nozzles are offered with flow diameters ranging from Ø3 mm (for parts weighing less than 1 gram) to as large as Ø25 mm (for parts weighing up to 10 kg or more). Thirteen gating styles are available for optimal processing of commodity or technical resins.
DF Gold Series Value

The next generation of Direct-Flo™ (DF) hot runner systems from INCOE® offers molders superior value and productivity advancements based upon the previous generation DF series of proven and reliable hot runner technology. The DF Gold series is an innovative refinement of INCOE®'s proven technology providing increased hot runner performance and robustness while maximizing molder up-time.

DF GOLD SERIES

- Advanced Twin Heater reliability
- Gating Configurations for multiple applications feature proprietary anti-wear coating
- Color Seal technology for quick color change
- Threaded nozzle connection for a leak proof seal
- Electrical connections mounted within a rigid conduit protect heater and thermocouple wiring
- Self-Contained Unitized hot runner system designs, pre-wired and pre-tested to ensure exceptional performance prior to assembly in the mold
- Unitized designs can eliminate the retainer plate, reducing tooling costs

DF GOLD SERIES

Our performance advantages benefit injection molders by reducing down time. Nozzles secured to the manifold block by a threaded connection guarantee a leak proof seal. Auxiliary components mounted directly to the manifold. Electrical connections can be mounted within a rigid conduit directly to the system, protecting heater and thermocouple wiring. Unitized systems can be designed to provide full accessibility to the complete hot runner system providing ease of maintenance without system removal from the injection molding machine.

The result:

Increased molding productivity and reliability
INCOE® delivers global hot runner technology solutions for both engineered resins and commodity material parts. Application expertise in automotive, appliances, closures, electronics, medical disposables, packaging, and technical parts are examples of the various markets successfully molding with our hot runner systems. INCOE® systems are available to meet any molding requirement—single nozzle applications, high-cavitation, stack molding, valve gating (hydraulic or pneumatic), gas assist molding, back molding, and multi-material molding. Wherever your molding takes place and whatever your market is, INCOE® has the right hot runner solution for your application.
INCOE®’s commitment to your success is evident in all areas of our organization. From project engineering and installation support, to operational training and system maintenance, our dedicated team of professionals can provide service and support wherever your molding takes place.

Our proactive technical staff follows each system from our factory to installation, and then to molding production, providing assistance to our customers from concept to profitable implementation. Since 1958, INCOE® has drawn upon our extensive experience to assure excellence in service and customer satisfaction. We look forward to applying our experience toward your continuous success.