

## Hot Runner Market to Reach USD 5.93 Billion by 2032, Driven by Innovations in Sustainable Manufacturing

Hot Runner Market is boosting efficiency in injection molding with faster cycle times, improved product quality, and reduced waste, supporting sustainability.

AUSTIN, TX, UNITED STATES, February 5, 2025 /EINPresswire.com/ --According to the SNS Insider report, the <u>Hot Runner Market</u> size was valued at USD 3.27 billion in 2023 and is projected to reach USD 5.93 billion by 2032, growing at a CAGR of 6.56% over the forecast period 2024-2032.



The rise of the Hot Runner Market comes on the back of ongoing improvements to the technology, which can help make injection molding processes more efficient and offer improved product quality.

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Key Players:

- Milacron (Hot runner systems, Injection molding equipment)
- Barnes Group (Mold-Masters hot runner systems, temperature controllers)
- Husky Injection Molding Systems Ltd (Hot runners, controllers, injection molding systems)
- Incoe (Hot runner systems, temperature control technology)
- Seiki Corporation (Hot runner systems, precision molds)
- Gunther (Hot runner systems, nozzles, control units)
- EWIKON (Hot runner systems, valve gate systems)
- Inglass S.p.A. (Hot runner systems, injection molding solutions)
- Synventive (Hot runner systems, control technologies)
- THERMOPLAY S.p.A. (Hot runner systems, nozzles, injection molding components)

- YUDO (Hot runner systems, valve gate systems)
- Oerlikon HRSflow (Hot runner systems, advanced flow control)
- Fast Heat (Hot runner control systems, manifolds)
- HASCO (Hot runner systems, injection molding components)
- Athena Automation (Injection molding systems, hot runner solutions)
- Caco Pacific (Hot runner systems, precision injection molding)
- Meusburger (Hot runner systems, injection molding tools)
- Polyshot (Hot runner systems, advanced manifold technology)
- Mold Hotrunner Solutions (MHS) (Hot runner nozzles, temperature controllers)
- HRSflow (Oerlikon) (Hot runner systems, flow control solutions)

The Asia Pacific region dominated with a market share of over 40.4% in 2023.

It is a fast-growing industrial segment and urbanizing area that is driving demand for consumer products, vehicle parts, and packaging. Manufacturing has shifted to new countries, where regions like China and India have become new hubs for manufacturing with positive economic policies, labor availability, and a growing local market. China's hot runner market is expected to grow significantly in the forecast period owing to its large automotive industry, which is one of the biggest in the world, and with the recent rise in vehicle production and sales.

The North American region is anticipated to witness significant growth from 2024 to 2032. The packaging and consumer goods sectors in North America play a significant role in driving market growth. Fast production speeds and innovative, decorative, complex molded plastic parts are essential in these industries making hot runner systems a perfect fit for meeting these demands.

Market Segmentation and Sub-Segmentation Included are:

By Type - Valve Gate Hot Runner - Open Gate Hot Runner

The valve gate hot runner segment accounted for more than 62.04% in the year 2023.

The valve gate has a superior control on the injection molding process due to which it governs the market. Whereas open gate systems only rely on the valve to prevent the flow of molten plastic into the mold cavity, valve gates use a valve to control the flow profile into the cavity, resulting in cleaner, more accurate gate residue with fewer part defects. It is this accuracy that is especially important for high-quality parts industries like automotive, electronics, and medical industries.

By Industry - Consumer Goods

- Medical
- Packaging
- Automotive
- Others

The automotive segment accounted for more than 30.2% of total market share in 2023.

The vehicle plastic components need high accuracy and quality and regularity as per the automotive sector requirement. Hot runner systems help manufacturers produce complex components with reduced defects and higher surface quality. Accurate temperature distribution and injection flow management are critical to ensuring that automotive parts meet the stringent quality standards required for performance, safety, and appearance.

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Recent Developments:

In September 2023: EFI Ltd introduced their latest innovations: the CM9 hot runner controller and a new water flow manifold. The CM9, a product of extensive development over many years, enhances EFI's well-regarded CM8 controller with a host of new features. It boasts a modern, intuitive interface that improves user-friendliness and allows for the strategic placement of manifolds between cavities. Additionally, the CM9 offers an advanced temperature control system, surpassing the previous model to provide industry-leading temperature regulation.

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