

Price of Injection Molded Distribution Boxes



Overview

Injection Mold Price List 2025: Full Cost Breakdown This section is about es this injection mold price list show at a glance and its impact on cost, quality.

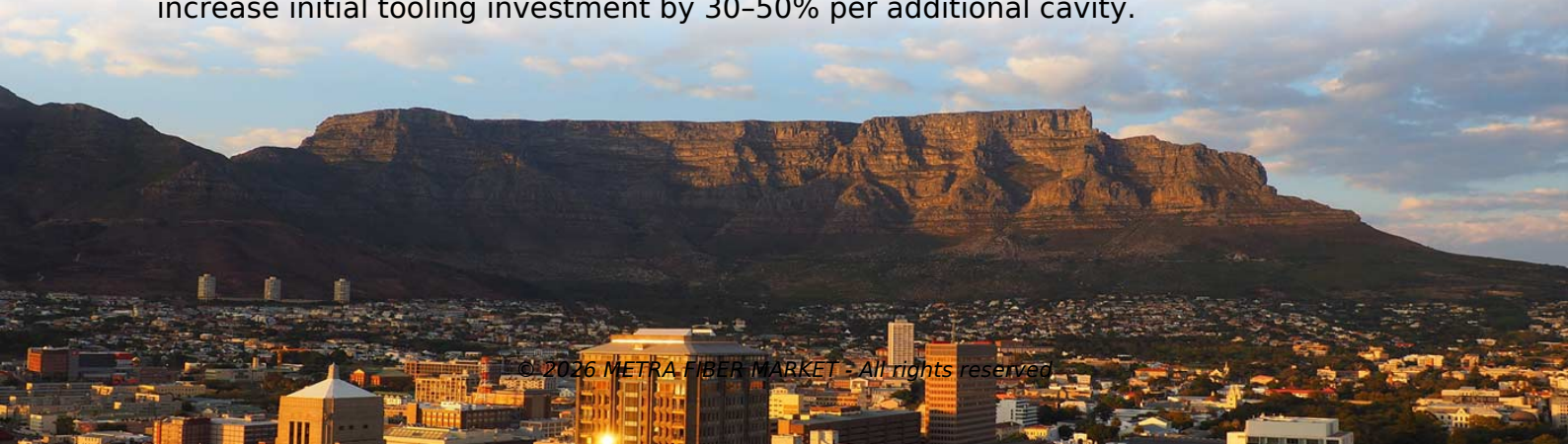
Key Takeaways

Injection molded distribution box molds typically range from \$5,000 to \$30,000+, depending on complexity, material, and cavity count.

Mold Pricing Overview

The cost of an injection mold for distribution boxes varies widely based on specifications. Prototype single-cavity molds generally cost \$1,000–\$3,000, while production-grade multi-cavity molds for complex designs can reach \$30,000–\$100,000. Factors influencing price include the steel grade (P20, H13, 718, S136), number of cavities, surface finish, and engineering hours required for design and optimization.

Material and Design Considerations High-quality molds are typically made from durable steels like P20, H13, or S136, which ensure long tool life and consistent product quality. Customization options, such as DIN-rail enclosures, wall-mounted boxes, or specific internal structures, can increase costs but improve functionality and production efficiency. Multi-cavity molds reduce per-unit cost at scale but increase initial tooling investment by 30–50% per additional cavity.



Production and Per-Unit Costs

Once the mold is built, the per-unit cost of injection molded distribution boxes depends on material selection (ABS, PC, PP, PA Nylon, POM), part weight, wall thickness, and annual production volume. Advanced mold features like uniform wall thickness, efficient cooling, and minimal deformation during molding help maintain consistent quality and reduce cycle time.

Supplier Pricing

Chinese manufacturers often offer competitive factory pricing, typically 40–60% lower than equivalent Western tooling for similar steel grades and complexity. Companies like Elite-Tec and Taizhou Tianqin provide full support from mold design to sample testing and after-sales service, including custom OEM/ODM solutions.

Summary

Prototype mold: \$1,000–\$3,000
Production mold: \$5,000–\$30,000+ (complex designs may exceed \$100,000)
Key cost drivers: steel grade, cavity count, surface finish, mold complexity, and engineering hours
Per-unit cost: depends on material, part size, and production volume
Customization: available for internal structures, mounting plates, and enclosure designs
Choosing the right mold involves balancing initial investment with long-term production efficiency and product quality, ensuring the mold meets both technical and budgetary requirements.

Article Content

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These estimates are ranges for planning only, based on the industry data in this article. Actual pricing depends on your specific part geometry, cavity strategy,

Injection Molding Cost

Simple molds are typically in the \$3,000 to \$6,000 range while the price for large, more complex, high-production, or multi-cavity molds can cost \$25,000 to \$50,000 or more.

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Injection Molding Costs: Complete Breakdown (2026)

Injection molding is the most cost-effective process for producing plastic parts at scale - but only if you understand the cost structure. A part that costs \$0.15 each at 100,000 units can cost

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How Much Does Injection Molding Cost? 2026 Pricing

How much does injection molding cost? The honest answer is: it depends — but not in a vague way. It depends on seven specific variables, and once you

A Detailed Guide to Injection Mold Costs and Pricing

Learn about the key factors that determine injection mold costs including part size, material, complexity, volume, location, and more with pricing examples and cost reduction tips.

Distribution Box Injection Mold

Finding the right distribution box injection mold is easy here. Starting with your design and material, you can decide if injection molding is right for you and what material of mold you would like. Iron molds

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How to Estimate Injection Molding Cost?

The short answer: plastic injection molds cost anywhere between \$100 for a 3D printed low-volume injection mold to \$100,000+ for a complex multi-cavity steel

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