



## Production Injection Molding

Injection molding is a popular manufacturing process that makes thermoplastic parts from a mold (also referred to as a tool). This process allows for greater quantities of parts to be made from the same tool, decreasing the overall per part price.

Production Injection Molding is a cost effective way to produce large quantities of parts. There are no geometry limits, no volume limits and no manufacturing limits on your part. Any commercial available material can be used in the production of the part, and any surface finish can be applied.

Quickparts' Production Injection Mold Tools and Parts are manufactured offshore at our Chinese facility. With American engineers onsite, our customers are guaranteed the service, quality and commitment to excellence they have come to expect from Quickparts. Start your Production Injection Molding project with Quickparts today.



SP Series Handheld Trigger For Open Tag Systems



LP120 Portable Projector For InFocus

Mechanical Properties	Rapid Injection Molding	Low-Volume Injection Molding	Production Injection Molding
Size Limitations	20"x20"x3"	36"x36"x15"	36"x36"x15"
Geometry Limitation	No undercuts causing slide action in tooling	No geometry limits	No geometry limits
Material	Over 20 standard materials in stock including ABS, PC, PP, PE, Nylon 6/6, Acetal, & Acrylic	Any commercially available material	Any commercially available material
Volume	18 cu. In. (10-Day Lead) 36 cu. In. (20-Day Lead)	No volume limit	No volume limit
Parting Line Geometry	No limit	No limit	No limit
Draft	Draft required in CAD model	Draft required in CAD	Draft required in CAD
Tolerance Expectations	+/-0.005", or per SPE Standards for material	Tighter tolerances are possible	Tighter tolerances are possible
Surface Finish	Choose from 6 standard finishes	Any finish, including acid-etched finish	Any finish, including acid-etched finish
Customer Owns Tool?	no	Yes	Yes
Method of Tool Manufacturer	CNC-Only Manufacturing, Aluminum-Only	No manufacturing limits, aluminum tooling	No manufacturing limits, Tooling per cust. specs
Lead Time	Standard: 10-days for 10"x10"x3" 20-Days for 20"x20"x3"; Expedited: 5 days, depending upon you geometry	Standard: 15-20 Days; Expedited: 10 days depending upon your geometry	Standard: 4-6 weeks

## Quickparts Advantage

- Fast Time-to-Market Manufacturing Solutions: Standard lead time is 4-6 weeks.
- Part Design Assistance for manufacturability.
- Quickparts Engineers at tooling/molding facility in China.
- Daily Project Management with weekly status reports.
- Complete Logistics Management.

## Highlights

- ISO 9001 Certified facilities.
- German P20 Steel, H13 and Stainless Steels.
- In-House tooling trial capabilities ranging from 40 to 1,000 ton molding presses.
- Pilot and short run production available upon tooling completion.
- Secondary assembly and painting options available.
- PPAP and process capability studies.
- All major tooling components, such as Husky, Hasco and DME used, as specified by customer.

## Contact Information

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