



## Rapid Injection Molding

### Instant Quotes for Simple Injection Molded Parts

Rapid Injection Molding specializes in straight-pull, no-action injection molded parts made from common thermoplastic materials including ABS, Polycarbonate, Nylon and more. Using your native 3D CAD data, Quickparts automates the programming of high-speed CNC equipment for cutting aluminum tools and inserts.

With press sizes ranging from 20 to over 1,000 tons, Rapid Injection Molding can meet your injection molded part needs from 25 parts to high-volume production runs.

Customers can now upload their 3D CAD models, define their project specifications and get a custom-binding quotation for Rapid Injection Molding instantly.



Nissei Electric Injection Molding Press

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

- Latest Machines: High-Speed CNC, press sizes – 20 to 1,000+ tons.
- Engineering Review Board: Design analysis and collaboration session.
- Faster Time-to-Market: Standard Lead Time is 10 to 20 days, but it can be as quick as 5 days, depending upon project specs.
- Quality Customer Service: Dedicated Project Managers assist from design to prototype to production.

## Highlights

- Ideal for production runs of straight-pull, no side action part designs.
- Maximum part size for instant quotes: 20"x20"x3".
- Parts will hold tolerances per the applicable commercial grade material from the SPPM guide, 1998 Edition, Guidelines for Molders and their Customers, or +/-0.005", whichever is greater. First articles will include a limited number of sample parts from the mold submitted for approval. No additional qualifying documentation will be provided. First article inspection reports are available at an extra cost.
- High-speed CNC machining for aluminum tooling and inserts (QC10).
- Multiple part material, color and finish options available.

## Contact Information

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