

Injection Mold RFQ Checklist

Technical inputs required before engineering and commercial review

Complete as many items as possible. Mark unknown items clearly so engineering can identify open decisions before quotation.

1 Part data and geometry

- ☐ Editable 3D CAD: STEP, IGES, Parasolid or native format
- ☐ 2D drawing with critical dimensions, tolerances and datums
- ☐ Part revision and change history
- ☐ Assembly context, mating parts and functional interfaces
- ☐ Undercuts, threads, inserts and moving features identified
- ☐ Expected annual and lifetime part quantities

2 Material and appearance

- ☐ Resin family and exact grade or approved alternatives
- ☐ Color standard and masterbatch requirement
- ☐ Texture, gloss, polish and visible-surface classification
- ☐ Regulatory, food-contact, flammability or recycled-content needs
- ☐ Insert, overmolding or 2K material compatibility requirements

3 Volume and tool architecture

- ☐ Prototype, pilot and mass-production quantity by year
- ☐ Target tool life in shots and maintenance expectation
- ☐ Preferred cavity count or output target
- ☐ Hot-runner or cold-runner preference
- ☐ Gate restrictions, weld-line limits and vestige requirements
- ☐ Requested HASCO, DME, FUTABA or customer-specific standard

4 Injection-machine constraints

- ☐ Injection-machine make and model, if fixed
- ☐ Clamp force, tie-bar spacing and platen dimensions
- ☐ Maximum shot size and injection pressure
- ☐ Nozzle radius, nozzle diameter and locating-ring size
- ☐ Available hydraulic, pneumatic, electrical and robot interfaces

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Quality, timing and commercial scope required for a defensible quotation

5 Quality and validation

- ☐ Inspection plan and critical-to-quality dimensions
- ☐ Mold-flow, warpage or cooling-analysis requirement
- ☐ Trial stages required: T1, T2, T3 and approval criteria
- ☐ Sample quantity, material certificates and inspection report format
- ☐ Packaging and labeling requirements for samples or parts
- ☐ Customer audit, PPAP, capability or documentation requirements

6 Timing and commercial scope

- ☐ Target dates for prototype, T1, approval and SOP
- ☐ Tool ownership, marking and intellectual-property requirements
- ☐ Tool delivery only, molded parts, or both
- ☐ Trial location and customer attendance requirement
- ☐ Delivery destination and Incoterm
- ☐ Payment terms, quote currency and quote-validity expectation

RFQ readiness gate

A commercial quotation is prepared after technical and commercial review of the available dossier. Missing CAD, resin, volume, tool-life, machine, delivery or Incoterm data will be listed as open assumptions or clarification items.

What HA NOI MOULD-TECH returns after review

- ☐ DFM findings and clarification questions
- ☐ Proposed mold concept and key assumptions
- ☐ Tooling, trial, sample and delivery scope
- ☐ Commercial quotation when the scope is sufficiently defined

Send your qualified RFQ

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Confidentiality: customer drawings and identities are handled subject to agreed confidentiality terms. Send an NDA before detailed file transfer if required.