

TECHNICAL GUIDE | APPLICATION-SPECIFIC REVIEW REQUIRED

Custom Magnet RFQ Checklist

A practical checklist for preparing drawings, application context, operating conditions, quantities, and evidence requirements before engineering review.

Use this guide to prepare an engineering discussion. Final material, grade, coating, magnetization, tolerance, and inspection requirements must be confirmed for the actual application.

The eight inputs that make an RFQ actionable

Input	What to include
1. Contact	Name, company, and work email
2. Application	What the product does and the current project stage
3. Part requirement	Shape, dimensions, tolerance, grade or magnetic target
4. Magnetization	Direction, pole count, fixture constraints, or marked drawing
5. Environment	Temperature, corrosion, chemicals, duty cycle, and mechanical load
6. Assembly	Adhesive, housing, sleeve, shaft, press fit, air gap, and handling
7. Volume	Prototype, pilot, annual quantity, and target timing
8. Files	PDF, DWG, DXF, STEP, spreadsheet, specification, or controlled-access link

What happens during engineering review

- Material route and grade family are checked against output, temperature, environment, and cost.
- Geometry, tolerance, coating, and brittle-part handling are reviewed for manufacturability.
- Magnetization direction, pole pattern, assembly state, and inspection method are aligned.
- Open assumptions are converted into focused questions before quotation or sampling.

File preparation

- Mark critical-to-function dimensions instead of applying unnecessarily tight general tolerances.
- Show magnetization direction, pole count, orientation marks, and measurement location.
- Separate target performance from a preferred grade when either route may be optimized.
- Use a controlled-access link for sensitive files until a secure transfer method is agreed.

Fast self-check before submission

Question	Ready?
Is the application and magnetic target understandable without a follow-up call?	Yes / Not yet
Are temperature, corrosion, and assembly conditions included?	Yes / Not yet
Does the drawing show magnetization and functional tolerances?	Yes / Not yet
Are prototype quantity and expected annual volume stated?	Yes / Not yet
Are inspection records, packaging, and documentation needs identified?	Yes / Not yet

You do not need every answer to start. State what is unknown and describe the application; engineering review can identify which missing inputs materially affect the route.