

# Axial Flux Core RFQ Worksheet

Use this worksheet before sending an RFQ for an axial flux motor core, AFPM SMC stator, segmented tooth set, 3D flux core, lamination and winding service, or compaction tooling project.

This file is a preparation template. It is not a quotation, certified report, or supplier release record.

## 1. Buyer and Program

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- Company:
- Buyer contact:
- Engineering contact:
- Application:
- Program phase: concept / prototype / pilot / repeat production
- NDA status:
- Target response date:

## 2. Product Scope

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- Requested part type:
- Motor topology:
- OD:
- ID:
- Axial height:
- Tooth count or segment count:
- Stack, segment, or assembly concept:
- Drawing revision:
- Available files: STEP / DXF / 2D PDF / simulation extract / envelope sketch

## 3. Magnetic and Operating Targets

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- Target frequency:
- Flux density:
- Continuous temperature:
- Peak temperature:
- Speed range:
- Duty cycle:
- Core loss target:
- B-H curve or permeability requirement:
- Insulation or Hi-pot requirement:

## 4. Material and Process Inputs

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- Preferred material grade or allowed material family:
- Density target:
- Compaction direction assumption:
- Machined faces:
- Coating, impregnation, or corrosion requirement:
- Buyer-specified process restrictions:

## 5. Quantity and Commercial Inputs

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- Prototype quantity:
- Pilot batch quantity:
- Annual forecast:
- Target launch date:
- Target Incoterm:
- Destination country:
- Packaging or labeling requirement:

## 6. Validation Files Requested

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- Dimensional report:
- Density or weight record:
- Magnetic validation report:
- Insulation or Hi-pot check:
- Coating or corrosion note:
- Material/process traceability:
- Export packaging checklist:
- Other buyer-specific evidence:

## 7. Open Questions

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- Which dimensions are critical to quality?
- Which test condition should define magnetic acceptance?
- Which files are needed before sample PO?
- Which files are needed before pilot release?
- Which claims should not be public until real evidence exists?

## Example Acceptance Language

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Supplier response should separate feasibility assumptions, open engineering questions, sample lead time, validation scope, and export packaging responsibility before price is treated as comparable.

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Buyer-preparation template. Final acceptance records require confirmed drawing revision, sample or batch ID, test condition, material route, and supplier release file.