

Material and Process Traceability Template

Use this template to record the material route, process route, and release evidence for an SMC axial flux core program.

This file is a planning template. It is not a production batch certificate.

1. Program Baseline

- Buyer:
- Project:
- Part name:
- Part number:
- Drawing revision:
- Purchase order or RFQ reference:
- Program phase:
- Supplier contact:

2. Material Traceability

- Material family:
- Material grade:
- Supplier:
- Supplier lot ID:
- Received date:
- Storage condition:
- Certificate or declaration requested:
- Restricted substance file requested:

3. Process Route

- Compaction direction:
- Press setup reference:
- Tooling reference:
- Density target:
- Thermal process route:
- Machining route:
- Coating, insulation, or impregnation route:
- Cleaning or rust-prevention method:

4. Inspection and Validation Links

- Dimensional report ID:
- Density or weight record ID:
- Magnetic validation report ID:
- Insulation or Hi-pot record ID:
- Coating or corrosion record ID:
- Packaging checklist ID:
- Shipment release record ID:

5. Change Control

- Drawing revision changes:
- Material route changes:
- Tooling changes:
- Process parameter changes:
- Inspection plan changes:
- Buyer approval needed:

6. Release Boundary

Traceability is useful only when each file references the same drawing revision, material lot, sample or batch ID, and acceptance rule. Do not merge records from different revisions or process routes without a deviation note.

Example Acceptance Language

Repeat-order release should reference the controlled drawing, material route, batch record, inspection checkpoint, and any approved deviation from the last accepted baseline.

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