

ASSEMBLY REFERENCE

Custom Magnetic Assemblies

Define the magnetic function, mechanical interface and verification plan together. Final requirements belong on the project drawing and agreed specification.



Product illustration. Geometry and configuration are project-specific.

Define the application.

System function

Describe what the module must do, the mating assembly, duty cycle, environment, life target and the failure modes that matter.

Interface control

Provide drawing, STEP or ICD data for mounting, electrical, fluid, shaft, connector, datum and envelope interfaces.

Supply boundary

List which components are supplied, sourced, assembled or tested by the supplier, including approved materials and sub-suppliers.

Quality file

State required FAI, PPAP level, control plan, MSA, traceability, certificates, sample approval and engineering-change process.

VALIDATION PLANNING

Agree what success means.

Functional test

Build a test that reproduces the customer's use condition and records the functional output, limits and test equipment.

Interface inspection

Inspect critical mechanical, electrical and fluid interfaces with the same datums used for assembly and customer acceptance.

Environmental and life

Use the agreed temperature, vibration, humidity, chemical, pressure and lifecycle sequence on the complete module.

Change control

Document approved sources, process parameters, revision status, deviation handling and notification before production changes.

Define the next step.

Share your drawing, application conditions and target quantity for a material or assembly review.

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ABOUT THIS EDITION

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Source: Empire Magnets existing product catalogue and technical-library archive. For a project-controlled specification, request an engineering review.