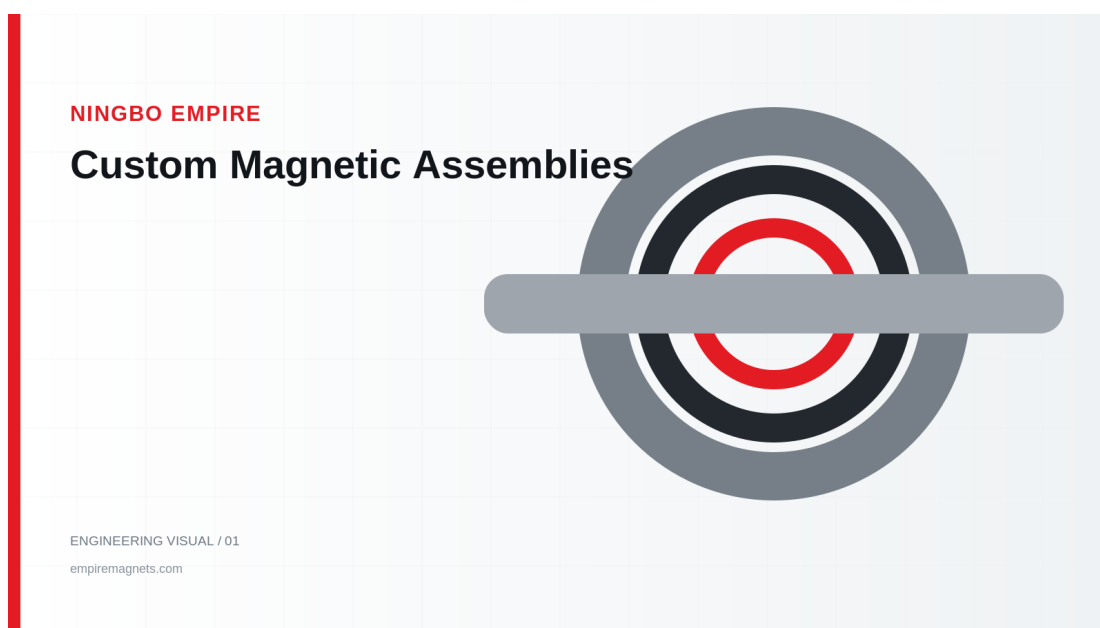




TECHNICAL BROCHURE

Custom Magnetic Assemblies

Application-specific magnet modules combining magnetic, mechanical and polymer components.



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Technical Data 1

Capability	Examples	Typical verification
Magnet bonding	Magnet + steel / aluminum / plastic / ceramic parts	Position, bondline, pull/shear or functional test as specified
Insert molding	Magnet / metal insert + engineered polymer	Critical molded dimensions, magnetic function, sealing
Machined components	Shafts, pole pieces, sleeves, housings	Dimensional report / CMM as applicable
Sensor integration	Magnet target + Hall / reed / encoder-related interface	Functional position / field / electrical check when in scope
Potting / sealing	Epoxy / urethane or project-specific encapsulation	Visual, dimensional, leak / insulation if specified
Kit / line-ready pack	Assembly + labels / protective packaging	Packaging audit / traceability label check

Technical Data 2

Application / Architecture	Typical Configuration	Engineering Focus
Sensor assembly	Magnet + molded carrier + sensor target / wiring	Pole position, geometry, functional threshold
Holding / lifting module	Magnet + steel yoke / housing	Force, safety factor, corrosion
Actuator module	Magnet + steel + shaft / spring / housing	Force curve, stroke, friction, alignment
Sealed magnetic module	Magnet + overmold / potting / housing	Media resistance, leak, field through barrier
Customer-designed subsystem	BOM consolidation	DFM, sourcing, traceability and validation

Technical Data 3

Parameter	Capability / Options	Notes
Bonding	Epoxy / anaerobic / PSA	Process and cure matched to temperature / media
Insert molding	PA / PPO / PPS / project polymers	Tooling for volume production
Machining	Turning / milling / grinding	Housings, shafts, yokes and interfaces
Sensor integration	Project dependent	Magnetic target and electrical interface agreed
Potting / sealing	Epoxy / encapsulation systems	Environmental protection target
Wire / solder	Harness / termination by project	Inspection and traceability requirements

Technical Data 4

RFQ / DFM input	What to provide
Drawing / BOM	All purchased/made components and interface dimensions
Functional requirement	Force, torque, field, sensor threshold, motion or sealing target
Environment	Temperature, fluid, shock/vibration, corrosion
Regulatory / documentation	FAI/PPAP, traceability, material declarations as applicable
Volume / timing	Prototype and annual volume

Engineering note

Values are reference specifications unless explicitly stated as guaranteed on a quotation or approved drawing. Final grade, geometry, tolerance, coating, magnetization, operating temperature and validation requirements must be confirmed for the actual application.