
COMPANY INTRODUCTION

Novatech | Magnet & Magnet Assembly

2025.04



■ Mission & Corporate Policy

Be the **best** Serve the society

Since our founding in 2007, we have relentlessly pursued excellence in permanent magnet technology—expanding our expertise across high-value applications in electronics, mobility, energy.

Guided by a mission to lead the magnetic materials industry, we are equally committed to contributing to the betterment of society through innovation, responsibility, and a strong dedication to social contribution.

Corporate Policy



Commitment
to Fundamentals



Technological
Leadership



Customer-First
Mindset



Forbes Asia's Top 200 Best Under a Billion

2024 KEY METRICS



Annual Sales(\$/M)

46+



Annual Production(T/Y)

200+

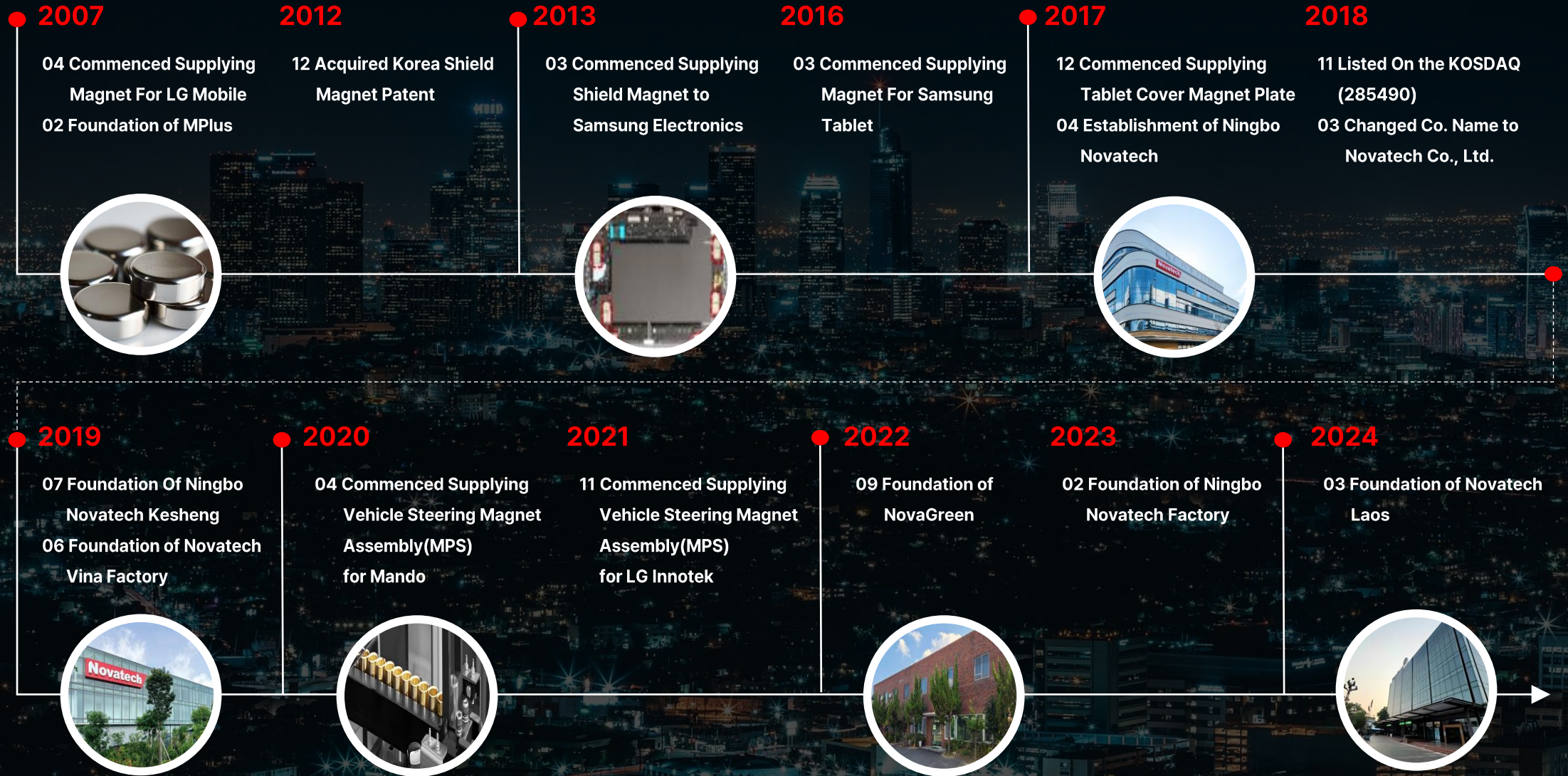


Patent

21

Corporate Name | Novatech Co., Ltd
Headquarter | 11F, U-Tower, 120, Heungdeokjungang-ro,
Giheung-gu, Yongin-si, Gyeonggi-do, South Korea
Date of Establishment | Feb 23, 2007
Securities Traded | KOREA KOSDAQ (285490)

■ Corporate History



Business Scope



Magnet

NdFeB
Ferrite
MnBi



Magnet Assembly

Magnet Plate for Tablet PC Cover
MPS(Motion Position Sensor)
Halbach Magnet
Shield Magnet



Magnet Equipment

Electro Magnetic Filter
Magnetic Bar

19 Years of Proven Expertise in Permanent Magnet – Trusted for High-Reliability Applications

Sintered NdFeB

- Energy Product : 28–52MGOe
- Thermal Grade : M, H, SH, UH, EH, AH
- Grain Boundary Diffusion Process(GBDP)

MnBi

- Energy Product : 10~12MGOe
- NO Rare Earth Elements used
- High Thermal Stability
- Eco-friendly Production Process

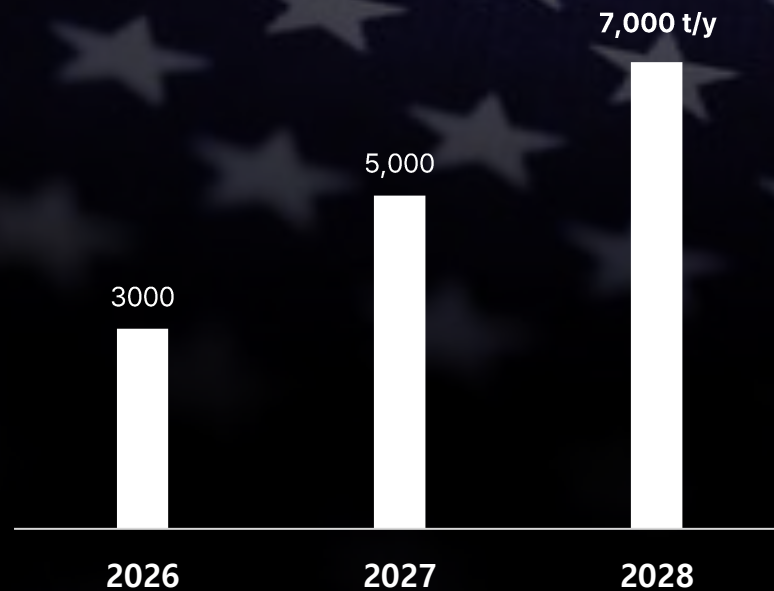
Ferrite

- Energy Product : 1-5MGOe



China Free Sintered NdFeB Through Our Holistic Supply Chain in VN

100% China-Free NdFeB permanent magnets will be available to customers starting from 2026.

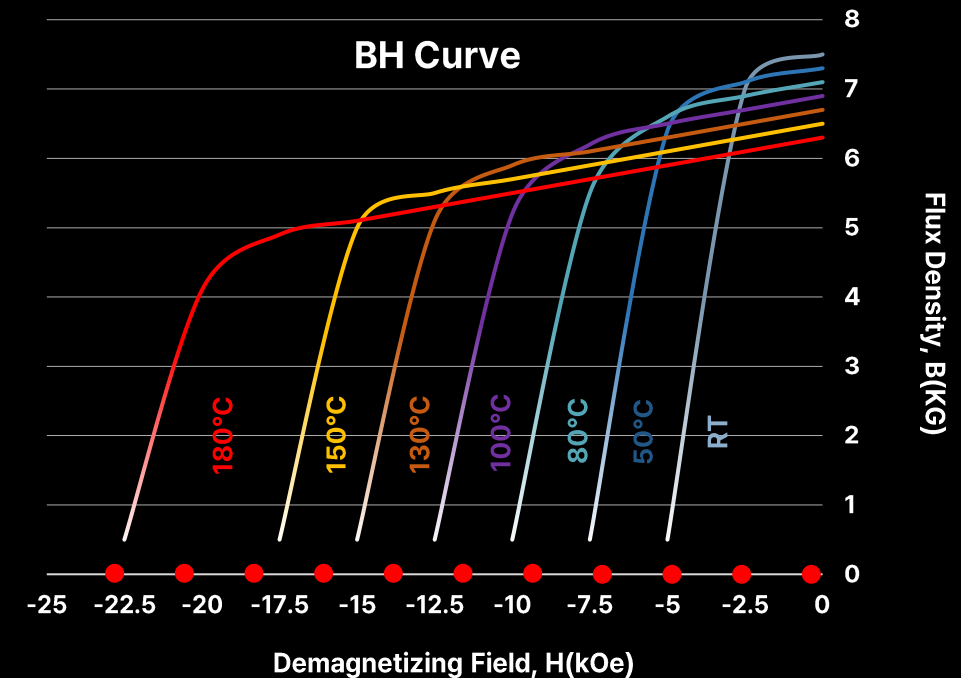


Rare Earth Free Magnet, MnBi

Unmatched Performance in High-Heat Environments

MnBi is the only commercially viable rare-earth-free magnet whose coercivity increases as temperature rises.

The magnet will be available from Q4 2025.



* Coercivity is a magnet's ability to resist losing its magnetism under an external magnetic field.

→ Higher coercivity means stronger stability, especially at high temperatures.

Competitiveness (Why Novatech)



Rare Earth Free Magnet

MnBi

China Free Sintered

NdFeB



Incomparable

Only RE-Free Magnet with Commercial Viability
Reasonable Pricing through Technical Leadership
↳ Equivalent or Cheaper than Bonded Nd



Price

Competitive

Economies of Scale(CAPA: 7,000 t/y)
Solid Partnership with a Local Mining Player
Thousands of Tons of RE Already Secured ↳

Incomparable

(BH)Max 10~12MGOe (The World Best Quality)
High Thermal Stability



Quality

Excellent

Consistent Quality through Holistic SCM

Very Stable

Plentiful Sourcing Countries(SA/VN/AU/LA)
Byproducts(Bi) from Lead Refineries



Supply

Very Stable

Stable Lead-time through Holistic SCM

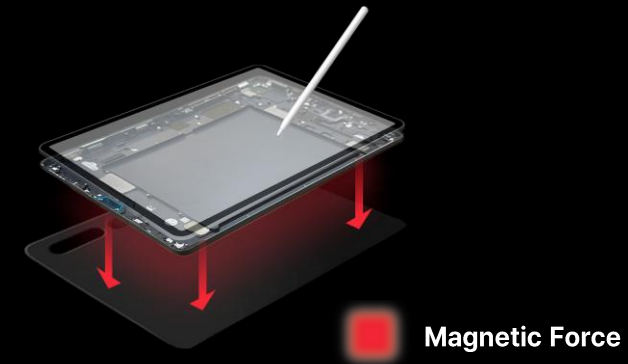
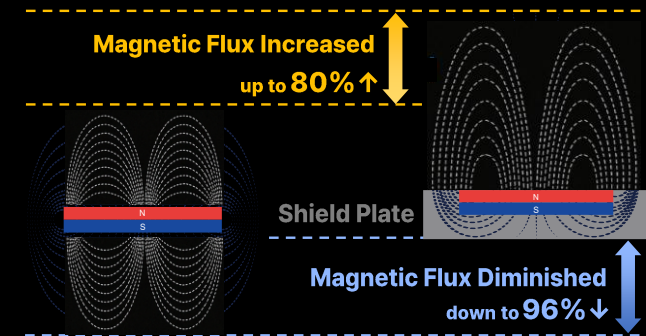
Shield Magnet

Smarter Magnet Design, Greater Cost Saving

Shield magnet is a Novatech's patented magnetic technology that leverages a shield plate to either concentrate or block magnetic fields in specific areas.

Novatech successfully reduced magnet count of Samsung Tablet PC from 125 to 27—a 78% drop—demonstrating cost-saving innovation through advanced technology.

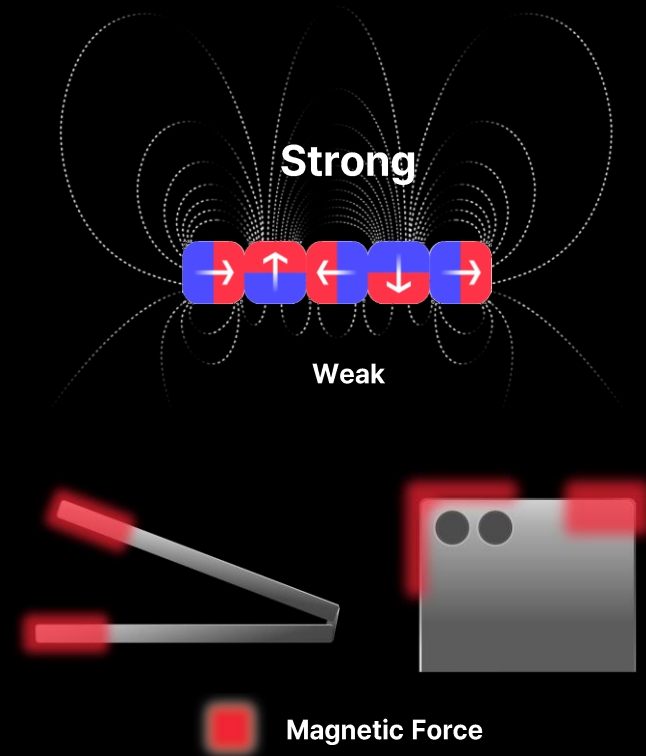
- Prevention of Unintended Magnetic Interference
- Magnetic Flux Concentration
- Cost Saving



Halbach Magnet Optimized Power & Compact Design

A special arrangement of permanent magnets that enhances the magnetic field on one side while canceling it on the opposite side

- Design Flexibility
- High Efficiency & Compact Design

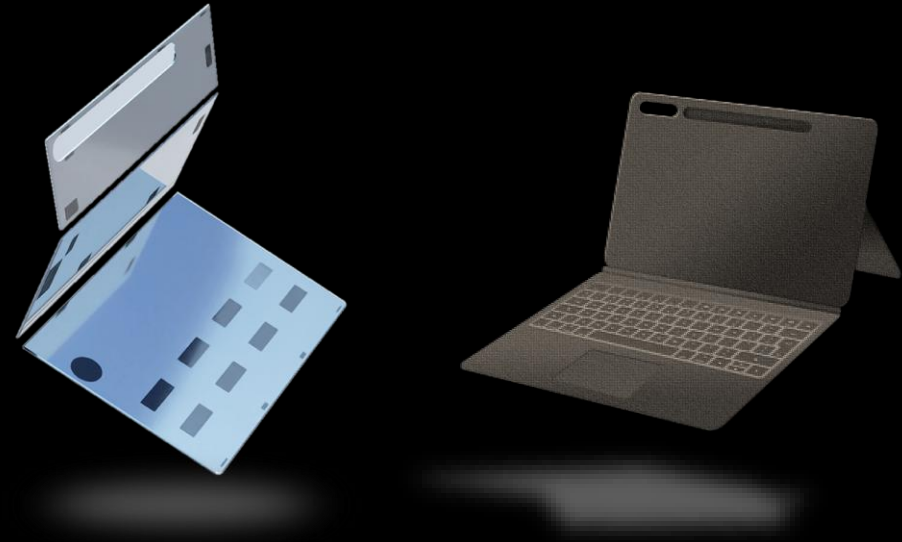


Magnet Plate Assembly

Stand Strong, Stay Safe, Work Smart

An assembly where a permanent magnet is assembled with a thin and lightweight epoxy plate.

- Stable Stand Functionality
- Enhanced Tablet Protection
- Enhanced User Experience – Auto Sleep/Wake Functionality



Motion Position Sensor(MPS) Smart Magnetic Sensing for the Cars of Tomorrow

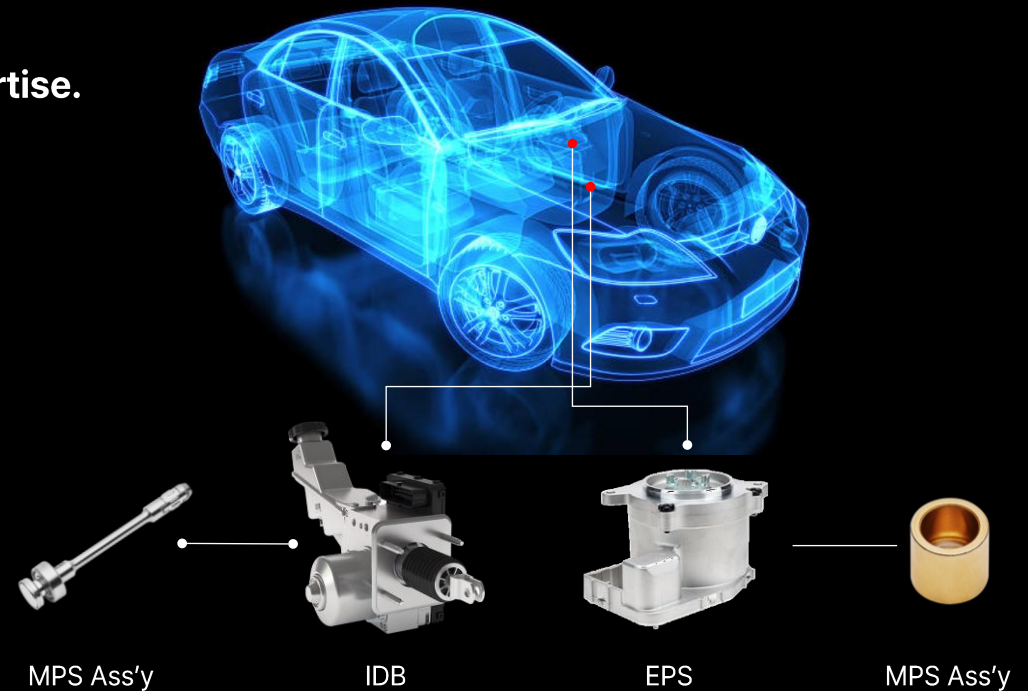
Novatech provides MPS Magnetic Assemblies for EVs and autonomous vehicles, backed by proven magnet design expertise.

Electric Power Steering(EPS)

- Intelligent Steering Assistance for Safer, More Comfortable Driving
- Improved Fuel Efficiency

Integrated Dynamic Brake(IDB)

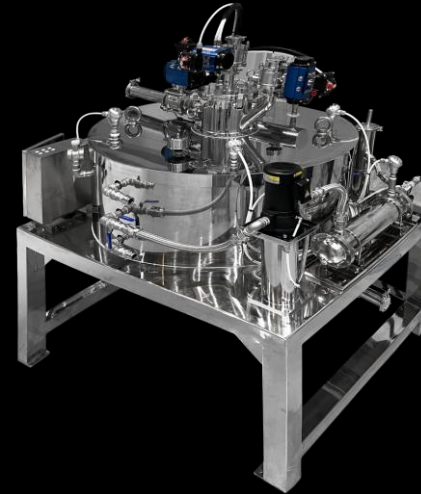
- Compact System through Full Brake Component Integration
- Enhanced Braking Safety with Precise Electronic Control



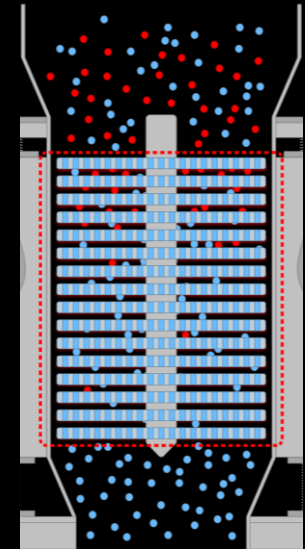
Electro Magnetic Filter(EMF) Eliminating Iron, Elevating Product Safety

A separator designed to efficiently concentrate magnetic flux from an electromagnet, creating a high-density magnetic field

- Tailored screen design for optimal separation by material characteristics
- Remove Ultra-fine Ferromagnetic & Paramagnetic Particles
- Improved Reliability & Safety to manufacture products
- Increase Productivity by reducing human intervention



- Pure Materials
- Magnetic Impurities



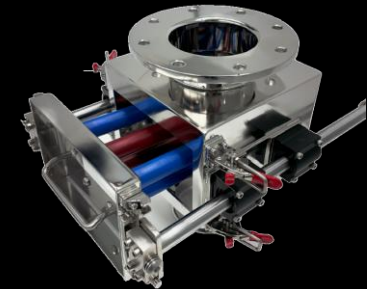
Magnetic Bar & Grate Magnet Separator(GMS) Simple to Install, The Smartest Choice for Product Safety

A separator with a uniform magnetic field distributed on desired planes, enabling the adsorption and removal of magnetic foreign substances

- Remove Ultra-fine Ferromagnetic & Paramagnetic Particles
- Separate iron particles mixed with fluids(powder or liquid)
- Improved Reliability & Safety to manufacture products



Magnetic Bar



Grate Magnet Separator

■ Global Presence



Global Network of
a Leading Innovator
in Magnetic Solutions

South Korea

1 Head Office
Korea Magnetism Technology Institute



2 NovaGreen
- Recycled PET Plate Manufacturing



Overseas Operations

3 Ningbo Novatech
- Exclusive Line for Shield Magnet



4 Novatech Kesheng
- Sintered Nd Magnet Production



5 Novatech Vina
- Magnet Plate, Halbach Magnet



6 Novatech Laos
- Rare Earth Mining Development

