



**Ashvini Magnets**

Corporate Presentation

# Over 80% Market Share



Welcome to India's largest injection moulded magnet manufacturer, since last 25 years.

# 94% Satisfaction



A testimony to the qualities  
that are trusted by Customers  
around the world!

# Single Source of supply



for a majority of our  
Clients, 100%  
requirement is served  
by Ashvini Magnets

# 4 Million Magnets/Month

Managing the complexities of high volume production of specialised magnets is our well proven strength. You are assured of high-quality magnets, no matter the complexity or volume of production.



Imagine

Magnets

High

# Benefit from the best in magnets



**Bonded Injection Moulded**

Ferrite  
NdFeB  
Alnico  
SmCo

Versatility

## Sintered

Alnico  
Ferrite  
NdFeB  
SmCo

## Cast

Alnico

## Bonded Calendar

Ferrite  
NdFeB

## Bonded Compressed

NdFeB

## Bonded - Extruded

Ferrite  
NdFeB

Low

Precision

High

# Bonded Magnets and Assemblies



Injection Bonded Ferrite Magnets | Injection Bonded Hybrid Magnets  
Injection Bonded Rare Earth Magnets | Insert Molded Magnets  
Over Molded Magnets and Magnetic Assemblies.  
The complete range to provide the perfect solution for your needs.





# Advantages, like none other

- **Controlled properties** with proprietary technology for kneading and dispersing
- **Consistent dimensions** and magnetic characteristics
- **Precise and flexible** control of the magnetic strength
- Excellent and **smooth aesthetics** requires no post-processing finish
- Lower weight, **higher machining ability** and precision
- Easily manufacture variety of shapes, including intricate **3D Magnets**
- Mono-bloc moulding with metals/objects for **insert or over moulding**



Compounding

Full-scale Automated  
Production

Engineering and Design

Mould Manufacturing

Process  
and  
Quality  
Control

Material  
Study

Rapid Prototype  
Concept Study

Simulations  
Feasibility

Production  
Prototype

Packaging  
and  
Supply  
Chain

**Concept**

**Tooling**

**Manufacturing**


# Innovation Magnetised.

We've manufactured magnets with weights from 0.2 gm to 100 gm.

1 kg =  
20,000 Pieces

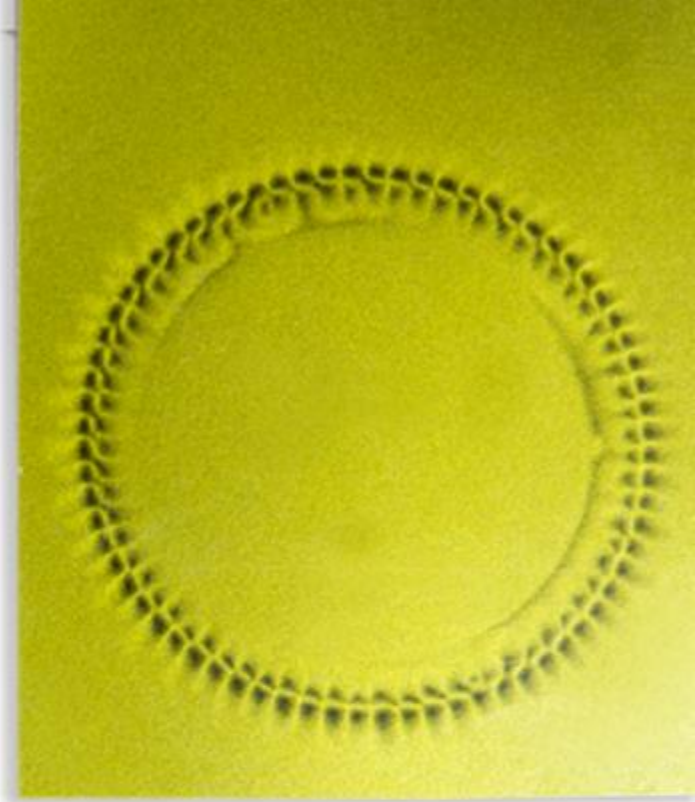


1 kg =  
10 Pieces



# For properties that you need

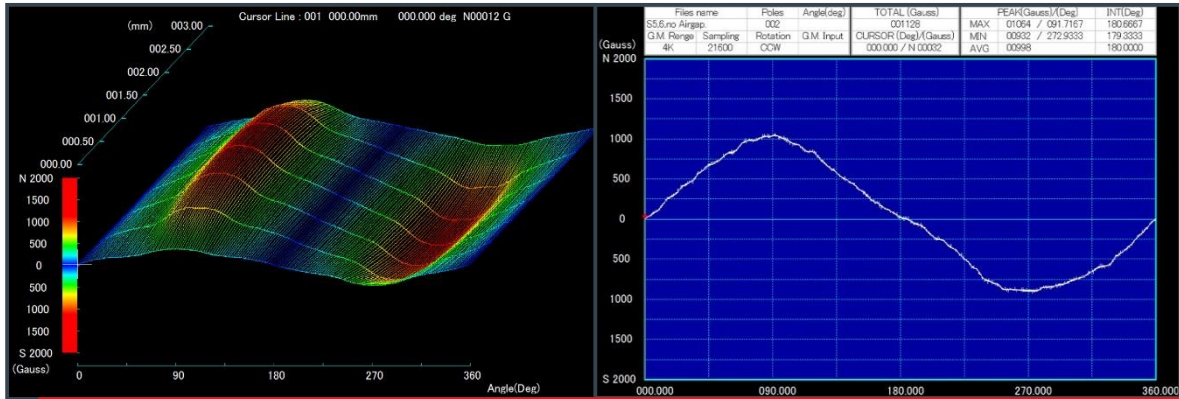
- 2 poles to 72 poles
- 2.5 mm OD to 100 mm OD
- 0.4 mgoe up to 8 mgoe



# Fastest Development

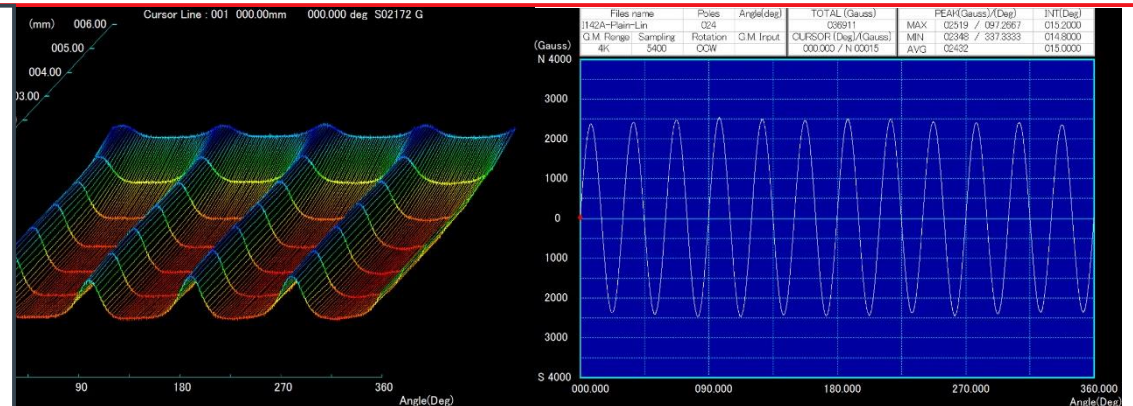
First sample lead time in days, not weeks. Rapid scale-up for full-scale production that is fastest in the industry.



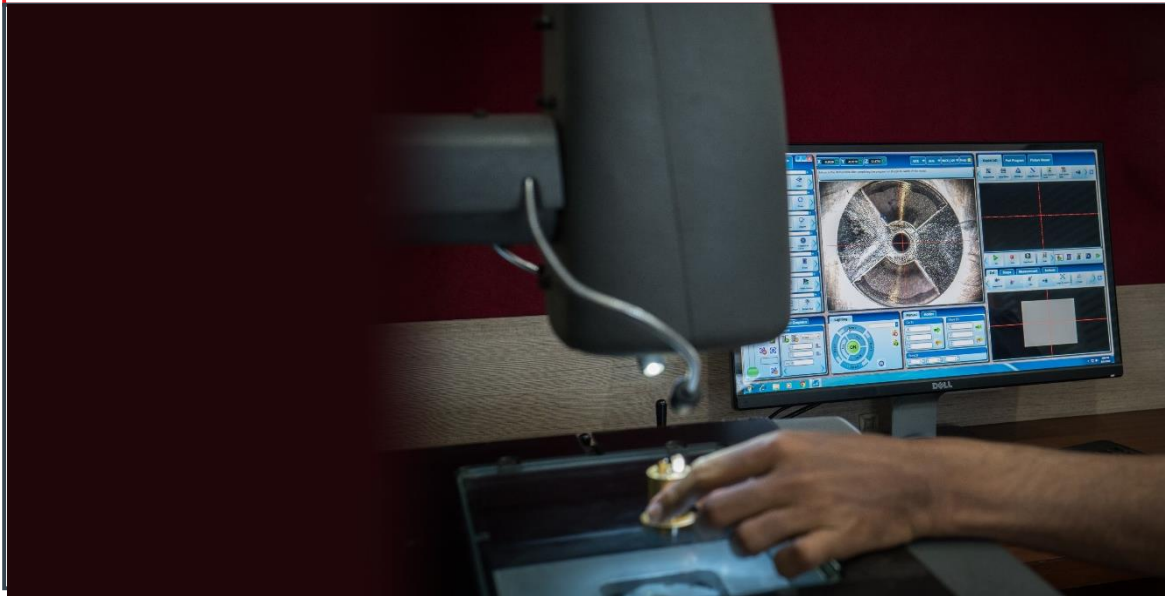
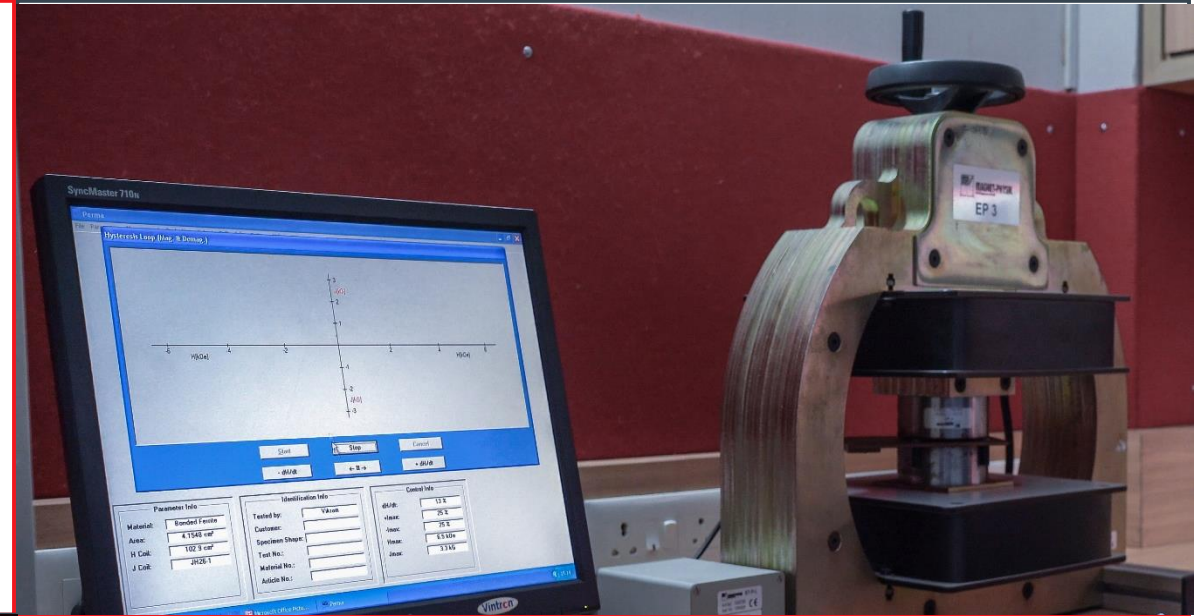


# Magnetic Properties achieved with Simulations

- Minimum leakage flux
- Pole formation to quickly achieve required waveform
- Control the rise in flux at every degree of rotation



# Magnetic & Physical Properties Perfected



- Magnet Analyser/Scanner from Di-Motion, Japan
- Hysteresis Loop Tracer Machine to validate magnet physique
- Vision Inspection Machine
- Flux Meters and Gauss Meters

Crafted 50+ specialized molds in 2017



Runs 24/7, exports globally

# A Swiss Tool Room

Range of Swiss Machines includes High Speed Milling, CNC EDM and Drill







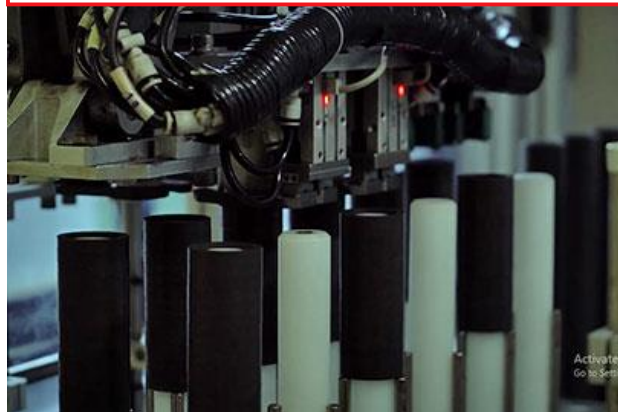
# Proven Mould Designs

- Exotic Mould Materials
- Good packing for tools
- Weld lines with optimum temperature and pressure
- Accurate gating and venting for void-free products
- Tight tolerances
- Reduced warpage
- Optimum heating and cooling

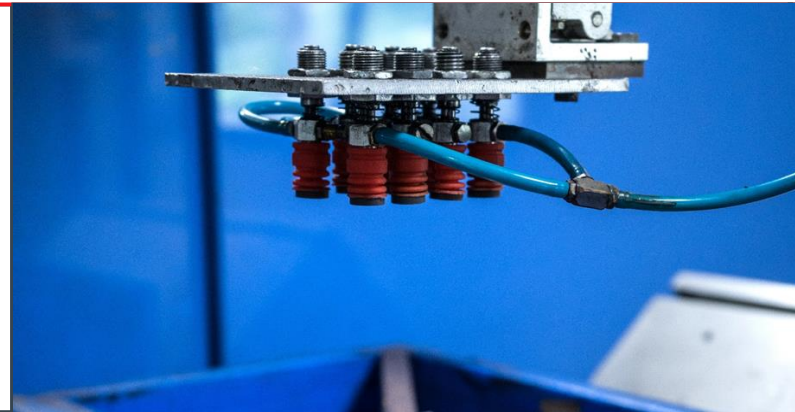


Captive  
compounding  
facility

# Fully Automated Production Environment



Automated  
material  
feed  
systems



Robotic  
pick and  
place for  
jobs

# Most advanced in Injection Moulding

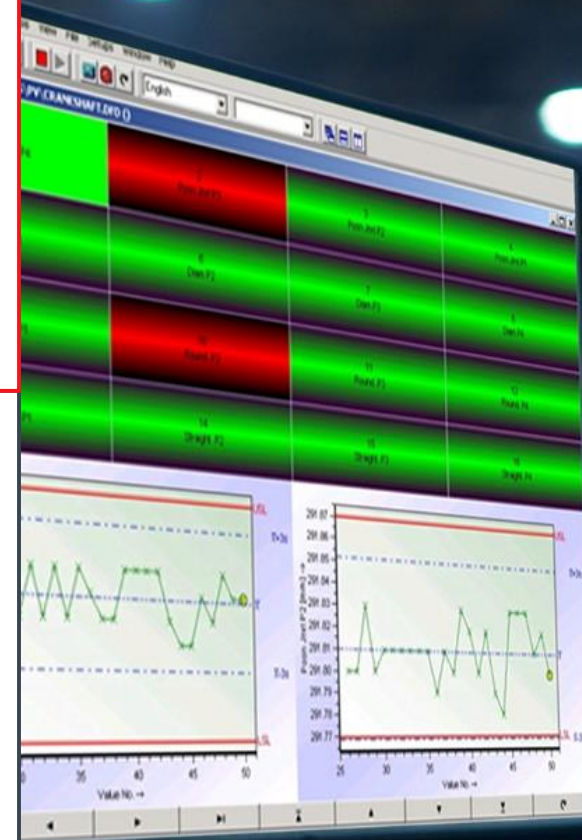
- The most advanced injection moulding, insert moulded and over moulded magnet manufacturing
- Specialised tooling, fixtures developed by in-house team



# Quality is in the Details.

Quality Processes and equipment that the Customers with most stringent requirements rely upon for seamless production.

- Q-DAS for process monitoring integrated with SAP ERP



# Packaging

Each magnet is carefully packed as per the highest global standards and client specifications. (Compliance to UN902 Packaging Standard)



150+  
Happy  
Clients

## Applications Served

- Automobile Instrument Cluster/Dashboard Instrument
- Digital Speedometers
- Sensors
- Roll for copiers
- DC Micro Motors
- Stepper Motors
- AC Synchronous Motor Magnets
- Electrical Meters
- Coupling Magnets
- Speaker/Telephone Receivers
- Disk Drives
- Clock/Timers
- Reed Relays
- Educational Kits and Scientific Instruments
- Magnet Bearings
- Xerographic applications
- Magnetic seals
- Magnetic latches
- Chip collectors

# Exports

Export of Tooling for Magnets in sensors

Magnets for Sensors

Magnets in Circuit Breakers

Magnets in Level gauges

Magnets for HVAC Micro-motors

Magnets for Gauges used in automotive parts

Magnetic couplings

Specialised magnets

France



Germany



Hungary



Turkey



China



India (HQ)



Thailand




Indonesia



South Africa

# Thank you

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