

# POWDERTECH Specialty Ferrite Powder

We develop various types of ferrite powder that will meet the needs of our customers.

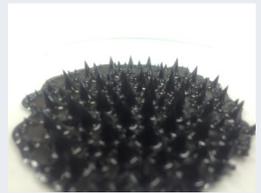
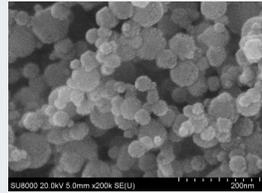
## Large Size Ferrite Powder

Soft ferrite Powder with an average particle diameter of 200 $\mu$ m-5000 $\mu$ m that can be easily handled. The strong magnetic force of each particle allows smooth and efficient ferrite separation process using magnets.



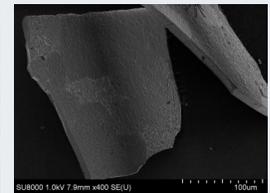
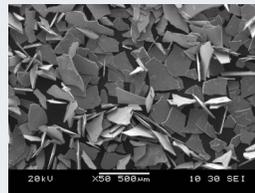
## Spherical Ultrafine (nano) Ferrite Powder

The spherical and ultrafine (nano) soft ferrite powder with an average particle size of 20~1000nm has high dispersion with various solvents, and can be used for magnetic ink, magnetic fluid etc. Despite the nano-submicron particle size, this ultrafine ferrite Powder is oxidation-resistant which provides you with effortless storage management.



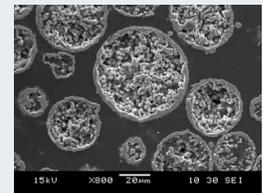
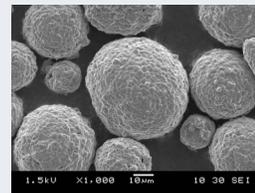
## Flake Shaped Ferrite Powder

Our flake shaped ferrite powder with an average particle thickness of 10 $\mu$ m and approximately 50~1000 $\mu$ m flake size has good orientation, and can be used as filler for electromagnetic wave shielding. The ferrite composition design can be customized depending on your desired frequency response.



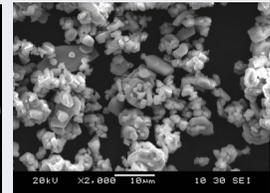
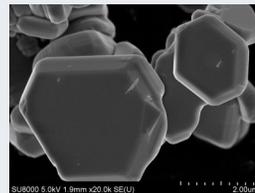
## Shell Structured Ferrite Powder

With a shell-structured structure on the outside, and the porous structure inside, this ferrite powder enables to obtain high pore volume, and can be used as low apparent density magnetic filler. The porous parts inside and outside of the particles are connected to each other via small pores that randomly exist on the surface of the particles.



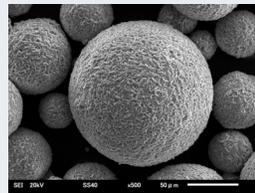
## Hexagonal Shaped Ferrite Powder

With about 1 $\mu$ m thickness and 5~10 $\mu$ m particle size, this hard ferrite Powder can obtain higher coercive force compared to spherical hard ferrite powder.



## FDA Approved Ferrite Powder

We offer ferrite powder that is comprised with FDA (Food and Drug Administration) approved ingredients. Both soft and hard types are available. The ferrite powder can be resin-coated with FDA certified ingredients upon requests.



## High Specific Surface Area and Small Particle Diameter Ferrite Powder

Spherical soft ferrite powder with large surface area and an average particle diameter of 5~30 $\mu$ m. Depending on the surface treatment, this ferrite powder can be used as an adsorbent for specific material. Since the powder is mainly comprised with iron and other elements oxides, it is relatively stable, and can be used and processed repeatedly for a long period of time.

