

# POWDERTECH Specialty Ferrite Powder

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

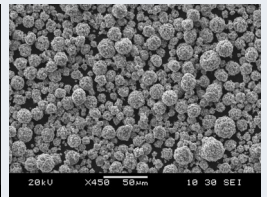
## Large-Particle Ferrite Powder

Soft ferrite powder with an average particle diameter of  $30\mu\text{m}$  -  $5000\mu\text{m}$  that can be easily handled. The strong magnetic force of each particle allows smooth and efficient ferrite separation process using magnets.



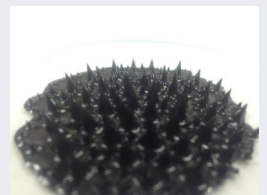
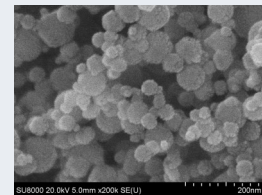
## Small-Particle Ferrite Powder

Spherical soft ferrite powder with large surface area and an average particle diameter of  $3 - 30\mu\text{m}$ . The particle surface can be customized from smooth to wrinkled morphology. The large surface area and the customizable surface design ensures flexible yet highly functional performance.



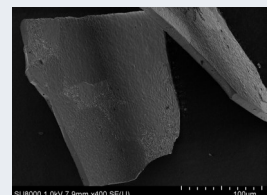
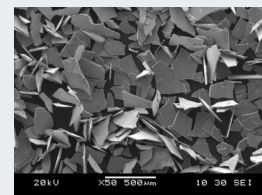
## Spherical Nano Ferrite Powder

Spherical ultrafine nanoscale soft ferrite powder with an average particle size of  $20 - 1000\text{nm}$  that is easily dispersed in various solvents, and can be used for magnetic ink, magnetic fluid etc. Despite the 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 can be produced to an average particle thickness of  $5 - 30\mu\text{m}$ , and to an average length of  $50 - 200\mu\text{m}$ . Flake-Shaped ferrite powder 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 surface on the outside, and a porous structure inside, this ferrite powder has both high pore volume and low apparent density. Shell-Structured ferrite powder can be used as low apparent density magnetic filler. The porous areas inside and outside of the particles are connected to each other via small pores that randomly exist on the surface of the particles.

