



## MAGNATRON SY-8500 Fluorescent Magnetic Particle

SY-8500 is a fluorescent magnetic particle composed of highly sensitive magnetic particles. Fluorescent magnetic particle inspection is a method that utilizes a magnetic particle suspension containing dispersed fluorescent magnetic particles and detects surface-breaking defects in magnetized test objects by irradiating them with ultraviolet light from a black light.

SY-8500 is a high-brightness type of magnetic particle that enhances the visibility of crack indications. Its fine particle size makes it suitable for precision inspection and applicable to machined components. When using SY-8500, it should be dispersed and suspended in Blendex series magnetic particle conditioner (for water dispersion) or Magnetron Oil (for oil dispersion).

### ■ FEATURES

- Produces high-contrast, clear fluorescent crack indications in simple steps.
- High-brightness fluorescent magnetic particles.
- Fine particle size, suitable for precision inspection.

### ■ PROPERTIES

Color	Yellow-green fluorescence
Particle Size	1~7 $\mu$ m
Recommended Magnetic Particle Concentration	0.1~2.0 g/L
Sedimentation Volume (Reference)	0.02~0.32mL /100mL

### ■ PROPERTIES

\* Please contact us regarding compliance to the latest standards and standards not listed in this TDS.



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### ■ APPLICATIONS

- Welded parts
- Machined components
- Rolled materials
- Castings and forgings

### ■ SPECIFICATION

How to use →



NDT Method	Magnetic Particle Testing (MT) / Fluorescent Magnetic Particle
Storage Temperature	32°F~104°F/0°C~40°C
Usage Temperature	40°F~134°F/5°C~57°C
Quality assurance period	3 years from the manufacturing date
Disposal	Dispose empty can in a safe manner in accordance with local/national regulations.

### ■ CONTAINER

Can Type: 1 kg can

### ■ SERVICE/CONTACT

Please be sure to read the SDS (Safety Data Sheet) before use.

Please download the SDS from our website or contact our nearest sales office or distributor.

For other inquiries about our products, please contact our nearest sales office.

Contact us →

