



MAGNATRON SY-7500 Fluorescent Magnetic Particle

SY-7500 is a high-sensitivity fluorescent magnetic particle. Fluorescent magnetic particle testing is a method that facilitates the detection of surface-opening defects in magnetized test specimens by dispersing fluorescent magnetic powder in a suspension and irradiating it with ultraviolet light from a blacklight. SY-7500 is designed with an optimal particle size for semi-precision inspections and features with high fluorescence brightness and excellent detectability.

It is applicable to ferromagnetic steel materials such as rolled materials, cast and forged products, machined components, and welded parts. SY-7500 enables highly reliable crack detection not only during manufacturing and production inspections but also for preventive maintenance and quality inspections. When using this product, disperse and suspend it in a magnetic particle conditioner such as the Blendex series (for water dispersion) or Magnatron Oil (for oil dispersion).

■ FEATURES

- Produces clear and highly visible fluorescent magnetic particle indications in simple steps.
- A widely used magnetic powder suitable for semi-precision inspections.
- An aerosol product with an oil dispersion type is also available for excellent portability and workability.

■ PROPERTIES

Color	Yellow-green fluorescence
Particle Size	2~5 μ m
Recommended Magnetic Particle Concentration	0.2~2.0 g/L
Sedimentation Volume (Reference)	0.03~0.2mL /100mL

■ SPECIFICATION CONFORMANCE

- JIS Z 2320-2 (Applicable to aerosol only)
- ASTM E3024
- ASME B&PV Code, Sec.V
- ASTM E1444
- AMS3044 (Magnetic Particle) , 3046 (Aerosol)

* 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	Can : 32°F~104°F(0°C~40°C) / Aerosol : less than 104°F(40°C)
Usage Temperature	40°F~134°F/5°C~57°C
Quality assurance period	3 years from the manufacturing date
Disposal	Aerosol: After using up the contents, press the button outside in a fire-free area until the spray sound disappears, vent the gas completely. Cans: Dispose empty can in a safe manner in accordance with local/national regulations.

■ CONTAINER

Can Type: 1 kg and 5 kg can

Aerosol Type: 450 type Aerosol

■ 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 →

