



SIAMPART PRODUCTS CO.,LTD.
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SHERWIN
 INCORPORATED

DUBL-CHEK
 PENETRANT
 PROCESS

SPECIALTY CHEMICAL MANUFACTURERS FOR INDUSTRY, BIOSECURITY & AVIATION



Non Destructive Testing Magnetic Particle

Sherwin **DUBL-CHEK** magnetic particle products are the most widely used for the inspection and detection of surface breaking and near surface discontinuities in ferromagnetic materials.

DUBL-CHEK magnetic particles give the maximum contrast to produce distinct indications when inspecting under white or black light.

Callington has a full range of **DUBL-CHEK** NDT approved products that will enable you to carry out inspections with confidence.

Applicable Specifications

- ASME Code NDT, Sec V
- AMS 3042
- ASTM E 709
- ASTM E 1444
- SAE AMS 3045



Fluorescent Products

- *Glo-Netic* Fluorescent Magnetic Oxide
- *Glo-Netic* GW-I Fluorescent Magnetic Dry Concentrate
- GWI-W5C Fluorescent Magnetic Dry Concentrate with Water Conditioner
- MPF Magnetic Particle Suspension Fluid

Visible Products

- Black Oxide No. 2
- CP-1 White Contrast Paint - peelable
- CP-2 White Contrast Paint - solvent removable

Dry Particles (Magnetic Dusting Powder)

- Black
- Red
- Yellow
- Blue
- Grey

FIND OUT MORE



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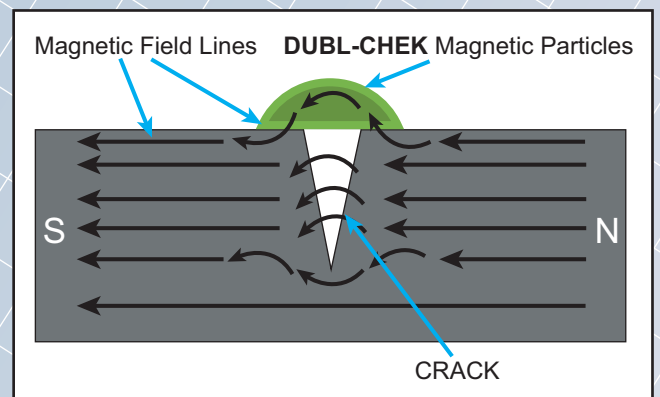


Magnetic Particle Testing is accomplished by inducing a magnetic field in a ferromagnetic material and then applying a **DUBL-CHEK** particle, either dry or suspended in liquid, to the surface.

Surface breaking and near surface discontinuities interrupt the flow of the magnetic field and concentrate the **DUBL-CHEK** particles within the imperfections, represented as a visual indication of the discontinuity.

Fast and relatively easy to apply, the **DUBL-CHEK** magnetic particle range can be used in the following applications;

- Inspection Laboratories
- Fabrication & Welding Workshops
- Steel Foundries & Mills
- Lifting Devices
- Marine
- Military
- Petrochemical
- Pipelines
- Amusement Rides
- Automotive
- Rail
- Tooling
- Power Generation
- Mining
- Shipping
- Ski Lifts
- Aerospace



DUBL-CHEK magnetic particle benefits;

- Used with all ferromagnetic metallic materials
- Great for the inspection of castings, forgings and weldments
- Highly sensitive
- Can detect small discontinuities
- Can detect sub surface discontinuities
- On the spot results
- Rapid inspection process
- Can be used underwater for offshore applications
- Portable system
- Surface preparation is not as critical
- Relatively easy to apply

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