



"MAGNAFLUX® penetrant testing accessories helped to increase the speed and effectiveness of our NDT process and literally paid for themselves in time and labor savings within the first year."

expand



Magnaflux® Penetrant Testing Accessories have been designed to simplify and enhance the penetrant testing process and to make sure that the highest process control standards are maintained throughout the entire NDT test sequence.

Expanding Capabilities

HAND SPRAYERS

Portable Pressure Sprayer

Lightweight pressure sprayer for spot application of penetrants, developers, magnetic particles, and cleaners.

- 1 quart capacity
- Easy disassembly for cleaning
- Maximum pressure of 200 psi

Part Number:

625774 Portable Pressure Sprayer

Specifications Compliance: ASTM E709-08, ASTM E1417, AMS 2647D, BPVC.



625774

Water Spray Gun

For pre and post rinsing of parts using either the water-wash or post-emulsifiable processes.

- Provides optimal coarse spray to help prevent part over-washing

Part Number:

520090 Water Spray Gun

Specifications Compliance: ASTM E1417, AMS 2647D, BPVC.



520090

PENETRANT TESTING ACCESSORIES

Manufacturers and quality experts count on Magnaflux® penetrants to maintain their customer's rigid quality standards and to make sure that their parts, components and processes meet major industry certification requirements. The Accessories Group manufactures and maintains a broad inventory of products and support equipment designed to expand and enhance the penetrant inspection process for NDT professionals. From test panels and rinse sprayers to refractometers, Magnaflux® accessories help keep penetrant process control operations performing at peak productivity and quality levels.

TEST PANELS

NiCr Penetrant Test Panels

Magnaflux® NiCr test panels are ideal penetrant sensitivity comparators. They come in pairs, with panel set crack depths available in 10, 20, 30 and 50 microns. NiCr test panels allow "in use" Zyglo® penetrants to be compared against "new, unused" product to determine if the penetrant is performing properly.

Dimensions: Length 100mm + 2mm X Width 35mm + 2mm X Thickness 2mm + 0.2mm

Part Number:

506252 1 pair of 20 micron panels 506254 1 pair of 50 micron panels

Specifications Compliance: ASTM E1417, AMS 2647D.

KDS Test Panel

The Magnaflux® KDS Panel is a Known Defect Standard used for daily system performance analysis. The test panel is used to monitor a penetrant system for sudden changes and verify performance of in-use materials.

Part Number:

625557 KDS Panel

Specifications Compliance: ASTM E1417, AMS 2647D.



506252



625557

ASTM E1417-13 REQUIRED TESTS and FREQUENCY

TESTS	FREQUENCY	PARAGRAPH
Penetrant Contamination ¹	Daily	7.8.2.1
Penetrant Brightness	Quarterly	7.8.2.2
Water Content: Water Based Penetrant (Method A)	Weekly	7.8.2.3
Water Content: Non-Water Based Penetrant (Method A)	Monthly	7.8.2.4
Lipophilic Emulsifier Water Content ²	Monthly	7.8.2.5
Hydrophilic Emulsifier Concentration ²	Weekly	7.8.2.6
Dry Developer Condition ²	Daily	7.8.2.7
Aqueous Developer Contamination: Soluble and Suspendible	Daily	7.8.2.8
Aqueous Developer Concentration: Soluble and Suspendible	Weekly	7.8.2.9
Penetrant System Performance ³	Daily	7.8.3
Water-Washable Penetrant Removability	As Required Per 7.8.3	7.8.3.2
Emulsifier Removability	As Required Per 7.8.3	7.8.3.3
Comparative Penetrant Sensitivity	As Required Per 7.8.3	7.8.3.4
Black Light Intensity ²	Daily	7.8.4.1
Black Light Integrity	Weekly	7.8.4.1
Special UV Lighting	Daily	7.8.4.2
Battery Powered UV-A Lights	Prior to and After Use	7.8.4.2.1
Visible Light Intensity	Weekly	7.8.4.3
Light Meter Calibration ²	Semi-Annually	7.8.4.4
Inspection Area Cleanliness ¹	Daily	7.8.4.5
Inspection Area Ambient Light Intensity	Quarterly	7.8.4.5
Water Wash Pressure Check ¹	Start of Each Shift	7.8.4.6
Water Pressure Gauge Calibration ²	Semi-Annually	7.8.4.6
Water Wash Temperature Check ¹	Start of Each Shift	7.8.4.6
Water Temperature Gauge Calibration ²	Semi-Annually	7.8.4.6
Drying Oven Calibration ²	Quarterly	7.8.4.7
Air Pressure Gauge Check	Start of Each Shift	7.8.4.9
Air Pressure Gauge Calibration	Semi-Annually	7.8.4.9

¹ Need not be recorded.

² The maximum time between verifications or checks may be extended when substantiated by technical data and approved by the Cognizant Engineering Organization.

³ Not required for Method C Examinations.