

## SHERWIN PSM-5 Penetrant System Monitor Panel

A stainless steel panel, 0.090 inch thick and measuring 4x6 inches. A chrome-plated strip runs the length of one side of the panel. Five crack centers are evenly spaced in the chrome plating in order of magnitude; the largest is easily visible with low-sensitivity penetrants, while the smallest is difficult to observe even with high-sensitivity materials.

TAM #146040-1  
TAM #146040-2



## Cracked Aluminum Block

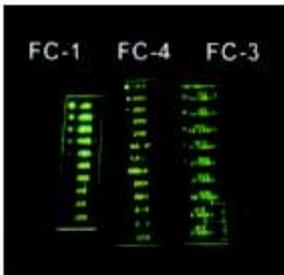
A Pressure Code, Section V&III, MIL-I-25135 and AMS-2644. The cracked aluminum block is made from SB-211 Type 2024 aluminum, rolled 3/8 inch thick with dimensions of 2x3 inches. A notch separates the block's two sides to facilitate side-by-side comparisons.



## Fluorescent Comparator

A plastic ruler with linear and circular fluorescent marks in inches for flaw dimension comparison under UV light. The tool measures graded flaw markings from 0.005 to 0.125 inches.

General and Specific OEM models are available.



## Temperature & Humidity data Logger

This graphing data logger is the paperless chart recorder alternative for temperature and humidity!

Temperature & Humidity data Loggers are products used in several NDT Inspections like Radiography, Magnetic, Penetrant Inspection. They are very useful in achieving Nadcap Accreditation as well.



## Sensitivity Panels (Ni-Cr)

A set of two panels, each measuring 3.875 x 1.875 inches (100x35mm), shared from the same stock with matching crack patterns. Makes simultaneous comparison of two penetrant batches practical. Specify crack sizes of 10µm, 20µm, 30µm and 50µm.



## Sherwin Wash Test Panel

The 1.5x2 inch panel is made from 16 guage 301 or 302 stainless steel by grit blasting with 80 mesh aluminum oxide grit and 60 psi of air pressure. The roughened surface that is produced is free of scratches and blemishes. This panel is used to run removability tests, in a laboratory setting.



## Flaw Dimension Tool (TAM #190466A)

Plastic swing-away keys, tapered and angled for tight radius comparisons. Linear and circular fluorescent marks in inches for flaw dimension comparison under UV light. The tool measures graded flaw markings from 0.010 to 0.180 inches.



## Refractometer

Measures hydrophillic emulsifier concentrations. Hand held and equipped with a rubber grip and adjustable eyepiece. Meets MIL-STD-6866 and ASTM E-1417 requirements for weekly testing of hydrophillic emulsifier concentration.



Manufactured by :

## SQUAREMAG SYSTEMS

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**SQUARE MAG**

# LIQUID PENETRANT INSPECTION ACCESSORIES



## Electrostatic Penetrant Spray System

Used for application of penetrants by Electro Static Spraying.

Ensures high level of quality penetrant application and save penetrants.

Electrostatic System includes application gun complete with all necessary regulators, gauges, and filters.



## Emulsifier Spray Gun

HVLP spray systems facilitate high quality emulsifier application on parts.

Operates on air pressure.

System consist of HVLP gun, pump, hoses, air pressure gauges etc.



## Hydro-Wash Spray

For water rinsing of parts. Air injection boosts velocity, permits faster rinsing with less water usage. Useful with low or fluctuating water pressure. For spray distances over three feet or when rinsing hollow or rough surface parts



The wipe-off technique is widely used in Penetrant Inspection. The dispenser makes applying the solvent to a cotton swab or brush much easier and in a controlled manner. The integral pump delivers a small controlled amount of liquid to the cup at the top; thus reducing the evaporating rate of the remaining solvent. It keeps the bulk solvent clean, thus ensuring a clean supply of solvent to the swab or brush every time the solvent is punched just refill the dispenser.



## Water Temperature Gauge

Thermometer, dial size 3 inches, temperature range 0to250 degrees fahrenheit, stem length 2.5inches, back connection.

## Electrostatic Developer Application System

Electrostatic spray of the developer powder offered the most sensitive result as compare to non electrostatic powder spray. Always uses fresh developer and enhance the end results. Reduces the contamination and saves developer.

System consist of Electrostatic gun, developer hopper, control panel, cables and hoses.



## Foam Generator

Foam Units are portable chemical generators designed to apply a large range of emulsifier foaming to surfaces where the emulsifier is required to be in contact for a prolonged period of time.

Only requiring a compressed air supply to be fully operational, all units are self contained and totally mobile.

Models: 20Ltrs. & 50 Ltrs.



## Water Spray Gun

For rinsing either water-wash or post-emulsifiable penetrants  
Coarse spray.



## Air Gun

For removal of excess water particles from the surface of the job. And removal of excess developer at >5 PSI



## Water pressure regulator

Valve Water Pressure regulator, brass body, 1/2inch BSP inlet and outlet, maximum 300 PSI. maximum temperature 140°F'.



*Note : Other penetrants accessories are also available on request.*

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