

# Accessories for Liquid Penetrant Inspection

Whether you are looking to add to your range or replace outdated items, we have impressive line-up of LPI test components and accessories designed to satisfy your every inspection need. If you want help choosing the right accessory, please contact us.



## OPTIFLEX 2B

The Optiflex 2B is designed to apply dry powder product to large components within a spray booth. Lightweight and ergonomic, its flexibility and ease of use make it a cost-effective and reliable tool for your dry powder application.

- Perfect transfer efficiency thanks to the 100 kV high-performance cascade.
- Wide range of nozzles and extensions to ensure optimum penetration into a part's geometry.
- Integrated remote control allows you to select the coating programme and adjust the powder output.
- Quick-release powder hose connector for easier maintenance and cleaning.

For more information, see the Product Data Sheet for this sprayer.



## VECTOR R90

The Vector R90 represents the latest advance in electrostatic spray guns. It incorporates triple set point control, putting unparalleled voltage control and flexibility at your fingertips. Available on its own or supplied with the 9060 LV3 low voltage power supply.

- Reduced trigger pull: the dual stage air valve eliminates air-to-fluid transition.
- Lighter weight with improved ergonomics.
- Improved electronic controls: the R90's control unit offers microprocessor-based control for data collection.
- Certified pre-tested air caps designed for consistency. The result is an improved finish with fewer rejects.

For more information, see the Product Data Sheet for this sprayer.



## ZYGLO FOAM 850

The Zyglo Foam unit is a portable chemical foam generator designed to apply a large range of foaming chemicals to surfaces where the chemical needs to be in contact for prolonged periods. Requiring only a compressed air supply to make it fully operational, the Zyglo unit is self-contained and totally mobile.

- Adjustment of the air control on the trolley allows you to vary the consistency of the foam to suit your particular application.
- Controllable working strength determined by pre-mixed concentration.
- Contact time maximises chemicals' effectiveness.
- Expansion rates reduce water and chemical usage.
- 50-litre stainless steel tank with integral trolley.

For more information, see the Product Data Sheet for this sprayer.

## Accessories for Liquid Penetrant Inspection



### WATER-ONLY GUN

Water gun with trigger action for washing parts during the penetrant process. Comes with two interchangeable nozzles to provide a fine or a coarse spray pattern.

**Part number 004G015**



### AIR/WATER GUN

A combined air and water spray gun for washing parts during the penetrant process. It has a trigger-controlled water spray.

**Part number 004G003**



### POLYSPRAY

An inexpensive spray unit for applying penetrant.

**Part number 004G004**



### PLASTIC HAND SPRAY PUMP

Spray pressure agitated manual pump with adjustable spray nozzle that swivels in any direction. 1-litre capacity.

**Part number 129402**



### POWDER APPLICATOR

A lightweight powder “puffer” for applying dry powder developer. Removable cap for easy refilling.

**Part number 008D003**



### FILTER PAPER

Used to determine fluorescent brightness in the penetrant system process, our Grade 4 filter paper is supplied in boxes of 100 and available in the following diameters:

**Part number 015F023:** 4.25 cm

**Part number 015F024:** 12.5 cm

**Part number 015F025:** 24.0 cm



### REFRACTOMETER

An easy-to-use, hand-held optical instrument for measuring the concentration of hydrophilic remover in water. Apply a small sample of solution to the prism face and take the reading by looking into the device at the built-in scale. Meets Pratt and Whitney and GE concentration specifications for hydrophilic removers.

**Part number 008M009**

## Accessories for Liquid Penetrant Inspection



### Ni-Cr TEST PANELS

Our test panels provide feedback on the continuing sensitivity and performance of your penetrant processing system during testing. Supplied in pairs, with set crack depths:

**Part number 506251:** 10 µm

**Part number 506252:** 20 µm

**Part number 184400:** Panel set - 10, 20, 30, 50 µm

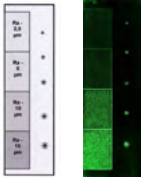


### TEST PIECE 2 ACCORDING TO EN ISO 3452-3

The EN ISO 3452-3 test piece is used for the routine assessment of fluorescent dye penetrants in environments where the penetrant could be susceptible to contamination and degradation.

The test piece consists of an austenitic base plate. One side of the piece comprises five different sized star-shaped cracks on a chromed background. Using this side of the test piece, it is possible to assess the relative sensitivity of a penetrant from one batch to another. The other side comprises four areas with differing levels of surface roughness. These areas can be used to make an assessment of the removability of a penetrant during washing/cleaning.

**Part number 135510**



### TEST PIECE ACCORDING TO ASME

The ASME aluminium test piece is divided into two segments, separated by a groove. This allows comparison of the sensitivity two different penetrants or the comparison of a fresh batch of penetrant to the penetrant in use.

**Part number 070C001 / 135520**



## MAGNAFLUX PENE CERT™ SERVICE

Non Destructive Testing (NDT) specifications require the regular testing of in-use penetrant materials to ensure that they are maintained in their optimum condition. Magnaflux PeneCert™ offers a speedy and convenient testing service for all in-use materials.

Whilst Magnaflux penetrants are formulated to withstand the rigours of in-use testing, they are still susceptible to both contamination and degradation. We recommend that users perform regular checks on in-use penetrants to ensure the compliance and conformity both with industry standards and internal procedures.

Any change in the colour or consistency of the penetrant should be addressed immediately to ensure consistent inspection results.

### Causes of contamination and degradation

Contamination can be introduced from the part(s) under test and, if using the immersion method, from tanks that are left open to the environment. Typical contaminants include:

- Water
- Dirt and insoluble solids
- Organic material, e.g. oils, lubricants, paints, greases, organic solvents, cleaning solvents and degreasing fluid.
- Alkaline cleaners and acids

Causes of penetrant degradation include:

- Heat
- Evaporation
- Faulty equipment

For more information, visit [www.eu.magnaflux.com](http://www.eu.magnaflux.com) or contact our sales team.