

A wide range of versatile, reliable and well built MPI testing equipment, from the small portable units right through to the heavy duty MAG 50 Series.

Equipped to meet all industry standards and the needs of MPI testing.



Distributor Address

MAGNAFLUX® A Division of ITW Ltd.  
Faraday Road, South Dorcan Industrial Estate,  
Swindon, Wiltshire, SN3 5HE, England.  
E sales@magnaflux.co.uk W www.magnaflux.co.uk  
T +44 (0)1793 524566 F +44 (0)1793 619498

**MAGNAGLO®**

**MAGNETIC INKS & POWDERS**



**MAGNAFLUX®**



## THE PRODUCT

MAGNAGLO is a full range of magnetic particle inks and powders from the World Leaders in NDT.

- Oil or water suspension
- Dry or wet methods
- Fluorescent and Non-fluorescent

## BENEFITS

- The industry standard
- Universal approvals (eg. AMS, RR etc.)
- Clear and bright indications
- Resists breakdown
- Can show subsurface flaws
- Consistent high performance

### MAGNAGLO® READY TO USE INKS

INK	DESCRIPTION	VISCOSITY	MEAN SIZE	SETTLEMENT VOLUME
7HF	7C in high flash (93°C) carrier II Low odour	3.45cS	2-6µm	1.5-2.4ml
14HF	14A in high flash (93°C) carrier II Low odour	3.45cS	7-9µm	0.1-0.35ml
410HF	MG410 in high flash (93°C) carrier II Low odour	3.45cS	8-12µm	0.1-0.35ml

### MAGNAGLO® CONTRAST PAINT

PAINT	DESCRIPTION	FLASH POINT
WCP2	Quick drying white paint for enhanced contrast	<0°C

### MAGNAGLO® COLOUR CONTRAST CONCENTRATES

PRODUCT	DESCRIPTION	IN OIL	IN WATER
7C	Black powder concentrate for use in oil or water. Mean particle size 2-6µm	10g/l	10g/l with 10g/l of WA2B or WA4E
27B	Black powder concentrate consisting of a blend of 7C and wetting agent for suspension directly in water	-	20g/l
9C	Red powder concentrate for use in oil or water. Mean particle size 2-6µm	10g/l	10g/l with 10g/l of WA2B or WA4E

### MAGNAGLO® DRY METHOD MAGNETIC PARTICLES

PRODUCT	DESCRIPTION	COLOUR	TEMP RANGE	SIZE RANGE
1	Dry powders for good contrast on a variety of finishes	Grey	0-315°C	5-150µm
3A		Black	0-230°C	5-150µm
8A		Red	0-175°C	5-150µm

### MAGNAGLO® FLUORESCENT CONCENTRATES

PRODUCT	DESCRIPTION	IN OIL	IN WATER
14A	Powder concentrate for use in oil or water Mean particle size 7-9µm Standard for Aerospace and General Eng	1.25g/l	1.25g/l
20B	Powder concentrate consisting of a blend of 14A and wetting agent for suspension directly in water	-	10g/l
WB12	Liquid concentrate of 14A powder, wetting agent and corrosion inhibitor for suspension directly in water. Minimal mixing required	-	500ml makes 25 litres
MG410	Powder concentrate for use in oil or water Mean particle size 12µm Brighter and larger particles	1-1.5g/l	1-1.5g/l with 10g/l of WA2B or WA4E

### MAGNAGLO® WATER CONDITIONERS

CONDITIONER	DESCRIPTION	IN WATER
WA2B	Water soluble granular solid Wets surface, inhibits corrosion, suspends particles	10g/l
WA4E	Water soluble liquid Wets surface, inhibits corrosion, suspends particles	10g/l

### MAGNAGLO® CARRIER FLUID

FLUID	DESCRIPTION	FLASH POINT
Carrier II	Oil blend for particle suspension Promotes good particle mobility Formulated to suppress fluorescent background	93°C

## APPLICATIONS

### AUTOMOTIVE COMPONENTS MANUFACTURERS

Brakes • Steering Components • Connecting Rods • Wheels • Engine Mounts • Pistons • Cylinder Blocks

### AEROSPACE INDUSTRY

Engine Components • Landing Gear • Wheels • Helicopter Gearboxes • Brakes • Springs

**FOUNDRIES**  
Raw Castings

**MILITARY**  
Critical Components

**TEST LABS**  
NDT Inspections