

- ◆ AC & DC Fields
- ◆ Demagnetising Capability
- ◆ Weighs only 3.5 Kg
- ◆ Articulated Legs
- ◆ Pull Force 27Kg

## MAGNETIC PARTICLE INSPECTION EQUIPMENT

# Y7 ELECTRO MAGNET

Versatility and powerful performance in a lightweight yoke, providing either AC or DC magnetic fields in ferro-magnetic materials



# MAGNAFLUX®

Division of ITW Ltd

## MAGNETIC PARTICLE INSPECTION EQUIPMENT

# Y7 ELECTRO MAGNET

## APPLICATIONS

The Y7 Yoke's rugged construction and high performance make it ideal for hand-held magnetic particle inspection when performance and reliability of test equipment is critical.

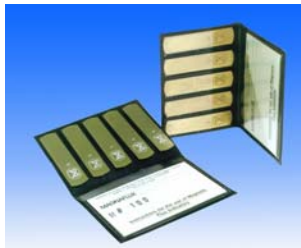
The Y7 Yoke provides either a constant AC field to reveal surface defects or Pulsed DC field for revealing both surface and near-surface defects.

## Specification and Operating Data

|                     |  |                              |
|---------------------|--|------------------------------|
| Power Source        | 220/240v, 50/60 Hz AC Supply                             | 110/120V, 50/60 Hz AC Supply |
| Current Draw        | 2 Amps   | 4 Amps                       |
| Mechanical Capacity | Maximum-Minimum distance across poles 0-300mm            |                              |
| Magnetic Field      | AC-Constant Level, DC-Pulsed.                            |                              |
| Pull Force          | Approx. 27Kg. Flux density 1 Tesla at 100mm pole spacing |                              |

Units carry the C E mark and conform to the appropriate European Union Directives

## Optional accessories



### MAGNETIC INDICATOR STRIPS

Used to provide a guide to the strength of the magnetic field at the precise point of their location.

Complies with BS4142 and BS6072.

Pt No 008M004 Type I for general use.

Pt No 008M005 Type II for aerospace work.



### POWDER DISPENSER

Pt No 008D003

A powder 'puffer' for the application of dry magnetic powder.



### POLYSPRAY

Pt No 004G004

An inexpensive spray unit for the application of magnetic ink



### POWDER BLOWER

Pt No 58600

Low cost gun for applying MAGNAFLUX dry powder in production conditions.

Regulated air-only blow off removes excess powder. Requires only 2 bar air supply

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