Magnetic Particle Test System to locate surface/sub-surface discontinuities in ferromagnetic materials.

**Yoke Type Test Kits**

“Complete package units for magnetic particle testing by Dry or Wet process using visible or fluorescent particles”.

These extremely light weight Kits are designed for in-situ inspection of ferrous metals of all forms and conditions by ‘Yoke’ technique.

**Four Models are available for selection according to requirement.**

**MODEL : MAGNAKIT YM 150 AH**

The kit contains in it a flexible 150 mm electromagnetic yoke that can be flexed from 0 to 300 mm and all essential test aids for complete inspection.

**MODEL : MAGNAKIT YM 175 AH**

Like MAGNAKIT YM150AH this kit also contains a flexible electromagnetic YOKE and all essential test aids.

**MODEL : MAGNAKIT YM 150 AHF**

This kit also contains in it a flexible 150 mm electromagnetic yoke with flexibility from 0 to 300 mm and all essential test aids for complete inspection.

**MODEL : MAGNAKIT YM 200 AF**

This desk top model offers facilities for testing small ferromagnetic test objects up to a length of 400 mm by AC and FWDC field to reveal surface and subsurface defects.

**MODEL : MAGNAFLOW PAD 1000**

It is a versatile unit used widely in foundries and fabrication shops for testing of medium and large castings, welded structures of all forms and conditions without limit to size, shape or mass.

**MODEL : MAGNAFLOW PAD 1500**

This is similar to Model : MAGNAFLOW PAD 1000 except that it offers AC/HWDC upto 1500 Amps and weighs 35 Kg (excluding magnetizing cables).

**MODEL : MAGNAFLOW PAD 2000**

This is also similar to above Models except that it offers AC/HWDC upto 2000 Amps and weighs 45 Kg (excluding magnetizing cables).
MOBILE CURRENT FLOW TYPE UNITS

For testing by ‘Prod’ and ‘Cable Wrap’ techniques in ‘Dry’ or ‘Wet’ process using visible or fluorescent particles. These are heavy duty units mounted on four casters for shop floor movement. Powered from 415 V, 3 ph, 50 Hz a.c. source, the units offer magnetizing current output from 3000 to 6000 Amps AC/HWDC according to models. The following four models are available for customer's selection.

MAGNAFLOW PAD 3000
MAGNAFLOW PAD 4000
MAGNAFLOW PAD 5000
MAGNAFLOW PAD 6000

Magnetising current in all the above models is controlled in infinite steps from 0 to max by thyristorised control circuitry. Digital Ammeter with Readout Retention facility is provided in all the models to read magnitude of magnetizing current.

Universal Type Units(Stationary Horizontal)

These are wet process units available in two series :

UM SERIES
UCH SERIES

Units in both series have facilities for circular and longitudinal magnetization. While longitudinal magnetization is effected through electromagnetic yoke in UM series, the same is effected through a movable coil in UCH series.

Models available in UM Series:-

UNIMAG UM 106
UNIMAG UM 210
UNIMAG UM 310
UNIMAG UM 320

Models available in UCH Series

UNIMAG UCH 106
UNIMAG UCH 210
UNIMAG UCH 310
UNIMAG UCH 415
UNIMAG UCH 515
UNIMAG UCH 620
UNIMAG UCH 820
UNIMAG UCH 1025

All the above units are designed for general purpose testing of engineering products in line with production. Powered from 415 V, 3 ph, 50 Hz a.c. source, the units offer AC/HWDC magnetizing current ranging from 1000 to 10000 Amps according to models.