

# MAGNETIC PARTICLE INSPECTION ACCESSORIES



**Digital Hall Effect Probe Gaussmeter**  
Hand-held meter measures AC and DC magnetic field strength in Gauss  
Includes meter, transverse probe, zero gauss chamber, four "9 Volt" batteries, operation manual and carrying case.  
Axial probe available as an option



**RFI-D (Digital)**  
The RFI-D is a self contained magnetic Residual Field Indicator incorporating an internal sensor providing a clear stable digital readout clearly visible in both white light and UV.  
Range : 0-400 gauss.



**QQI Test Pieces**  
Quantitative Quality Indicators (QQI) are Magnetic Particle Test Pieces with Artificial Defects.  
QQI's are used to increase productivity by minimizing magnetizing shots, verify field direction, relative strength and balance the multi-directional fields.  
Models :  
KSC-230, KSC4-230, KSC-234



**MTU Blocks** are used to test the sensitivity of Wet Method MPI Baths. These reference blocks are provided with a reference picture, so an existing or new Bath can be compared to indications from an optimum system. These blocks can be used for Wet Fluorescent or Visible Baths.



**Quick Break Tester**  
Quickly and accurately confirms function status of "quick break" circuitry in three phase FWDC magnetic particle units  
Manufactured for compliance to ASTM E 1444.  
State of the art microprocessor control analyzes quick break pulse waveform  
LCD display with large easy to read digits

A Magnetic field strength meter designed specifically for Magnetic Particle Inspection

- Display :
- Mean/True RMS / Real Peak
  - Signal Visualisation
  - Intuitive navigation in menus
  - Automatic Zero
  - Five Units available



**Residual Field Indicator**  
(Gauss Meter, Analog type)  
Accurate measurement of residual leakage field in parts after demagnetization.  
Accuracy : +/- 0.5 Gauss  
Models : 10-0-10 } Calibrated  
          20-0-20 }  
          10-0-10 Un-calibrated



**Magnetic Flux Indicator Strips**  
The foil type magnetic flux indicators are used to give a clear guide as to the direction of a magnetic field and can be used to give an estimate of the field strength.

These products are available in two versions:  
-Brass Finish-type A (aerospace)  
-Gold finish - type G (general)



**Magnetic Stripe Card**  
The Type 2000 Magnetic Stripe Card is used for instantly evaluating the performance of the fluorescent wet-method bath. This card can be used to quantitatively evaluate the performance of the fluorescent materials by displaying the number of indications that can be observed after the material has been applied to the stripe.



**CENTRIFUGE TUBE WITH STAND**  
For Checking the Concentration and contamination of Magnetic Particles Bath. 100 ml Size.

- Models Available :
- Non Fluorescent
  - Fluorescent - Medium sensitivity
  - Fluorescent - High Sensitivity



Manufactured by :

## SQUAREMAG SYSTEMS

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## Continuous Method Test Block

Quick, convenient check for proper magnetizing technique on wet horizontal units. Crack indication forms on test block if current flow and bath concentration are adequate.

## Tool Steel Test Ring

Drilled holes simulate subsurface discontinuities form surface indications at various magnetizing current levels. Meets ASTM E 1444 requirements and certified to AS 5282.



## Pie Gauge

The Magnetic Particle Pie Gauge is a device used as an aid in determining the direction of magnetic fields for detection of discontinuities in ferrous metals.



## Magnetic Particle Test Bar

Contains coarse and fine artificial surface and subsurface defects in both directions. Meets or exceeds most industrial and military specifications for artificial test specimens.

## Central Conductors

These solid copper rods provide circular magnetization of hollow parts. Different sizes are available on request.

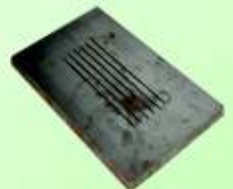


## Head and Tail Stock Mounted Roller Steadyrest

Facilitates part loading as coil may be retracted to clear the job. Facilitates easy rotation of part during bath application and inspection.

## MPI Test Block

Used for prod type magnatisation to validate the system performance. Meets BHEL specifications.



## Standard Prod Set

Individual contact prods offer maximum flexibility in prod spacing and magnetizing of complex-shaped parts.

## Copper Pads (5" x 7")

High quality copper pads for use on magnetic bench machines. Available in different sizes.



## Powder Spray Bulb

Lightweight, easy-to-use spray bulb for applying dry powders. Cap removes for easy filling.

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**SQUARE MAG**