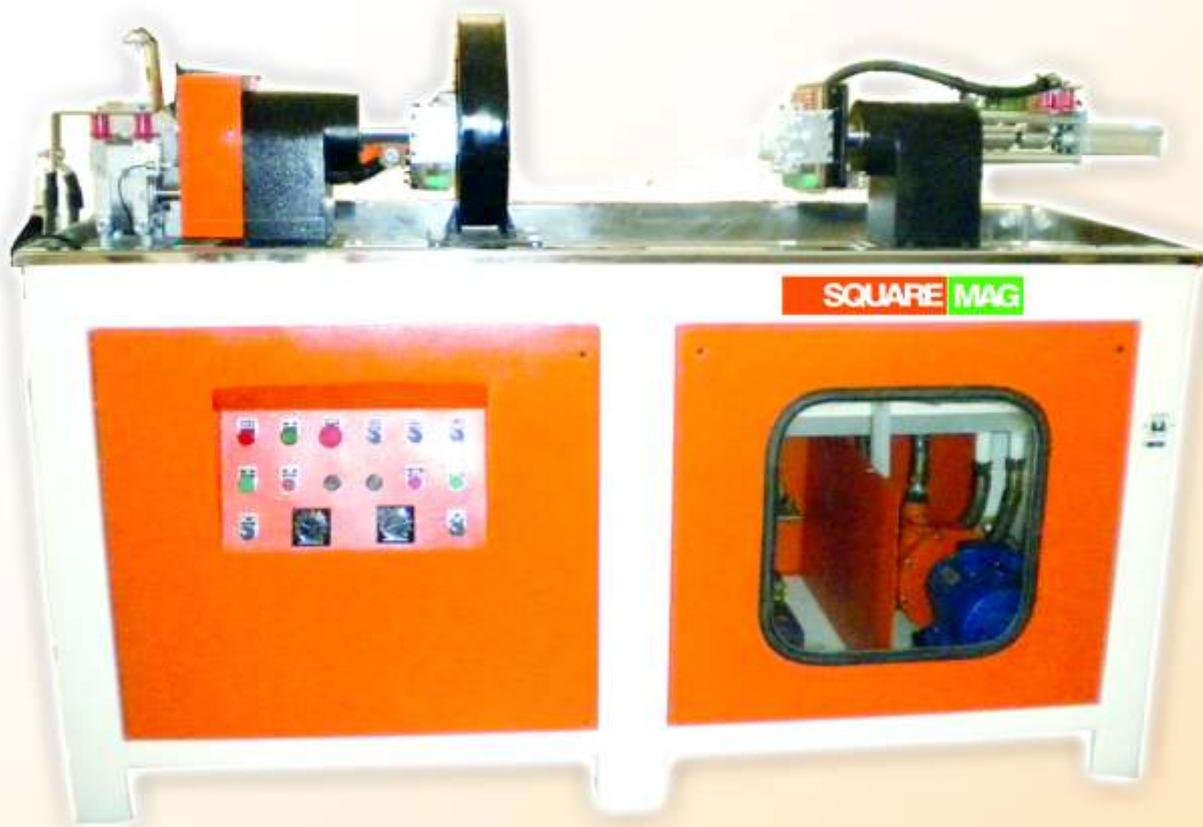


## MAGNETIC PARTICLE INSPECTION EQUIPMENT



SQUAREMAG Wet Horizontal MPI Bench units provide outstanding defect detection and provide major time and cost savings over conventional magnetic testing methods. By providing combination magnetization of the part in multiple directions, virtually all defects can be revealed without having to process the part with a separate head shot and coil shot, which is the case with conventional

### Features

- Suitable for contact shot, coil shot and central conductor magnetization.
- Combination of Circular and Longitudinal magnetization facility by logically sequencing the magnetization.
- Infinite variable Thyristorised current control
- Inbuilt power source with solid-state controls
- Double digital ammeter for current readings with retention facility.
- Stainless steel bath circulation tank and Agitation system
- Footswitch operated Pneumatic Headstock.
- Rail mounted movable tailstock with mechanical lock.
- Current assurance indicator.
- Steady rest mounting provision for Head and tailstock mounted Steady rests.

## MAGNETIC PARTICLE INSPECTION EQUIPMENT

SQUAREMAG range of wet horizontal magnetic Particle inspection equipments being used in Automotive parts (Forged, Machined and Heat treated conditions), Aircraft engine & structural parts, Power generation, Oil & gas, Foundry, Steel manufacturers (Bright bar, & Black bar) etc, Overhaul, service and MRO industries.

SPECIFICATIONS	SMB-30	SMB-45	SMB-60
MAX. OUT PUT	2500 AMPS AC 3000 AMPS FWDC	4000 AMPS AC 5000 AMPS FWDC	5000 AMPS AC 6000 AMPS FWDC
MAX. JOB LENGTH (STD)	1300 MM	1300 MM	1300 MM
COIL SIZE (STD), NO.OF TURNS	300 MM, 5	300 MM, 5	300 MM, 5
INPUT SUPPLY	415 V, 50 HZ, 1PH. ( 2 LINES OF 3 PH)	415 V, 50 HZ, 1PH. ( 2 LINES OF 3 PH)	415 V, 50 HZ, 1PH. ( 2 LINES OF 3 PH)
MAX. COIL OUTPUT(12")	1300 AMPS AC 2700 AMPS FWDC	1600 AMPS AC 4500 AMPS FWDC	1800 AMPS AC 5400 AMPS FWDC
LINE AMPS	55 A	135 A	250 A
O C VOLTAGE	16 V	26 V	17V
TRANSFORMER	48 KVA	120 KVA	108 KVA
TRANSFORMER INSULATION	'F' CLASS	'F' CLASS	'F' CLASS
DUTY CYCLE	INTERMITTENT	INTERMITTENT	INTERMITTENT
THYRISTOR	55 A	132 A	250 A
WHITE LIGHT IN DARK ROOM	<10 LUX	<10 LUX	<10 LUX
AIR SUPPLY REQUIRED	4-6 BAR	4-6 BAR	4-6 BAR
BATH TANK	S S 304	S S 304	S S 304
BATH ATNK CAPACITY	40 LTRS	40 LTRS	40 LTRS
JOB CLAMPING	PNEUMATIC	PNEUMATIC	PNEUMATIC

### Options available against request

- Black hood for fluorescent Inspection
- Auto bath application
- Contact block adaptor and extension copper cables
- Small parts adaptor
- Swivel mounting fixture
- Steady rest for heavy parts
- Centrifuge tubes
- Copper Central conductors
- Copper pads

Distributor



Manufactured by :

**SQUAREMAG SYSTEMS**

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