

MAGNETIC PARTICLE INSPECTION EQUIPMENT



SQUAREMAG wet horizontal magnetic particle inspection equipment is used as a Multi-mode testing for surface and subsurface inspection on critical industrial and aerospace components. AC and Half Wave DC are available to meet test specifications.

A variety of coil diameters and bed lengths are available to suit a wide range of part configuration requirements.

Features

- Inbuilt Power source with solid-state controls
- Thyristorised self regulating current controls
- Current assurance indicator
- Digital current reading ammeters for contact and coil currents with retention facility.
- Pneumatic change over contactor for AC/HWDC and Contact/coil
- AC decay demagnetization facility.
- Stainless steel tank with necessary slope for collection of magnetic ink.
- 0.5 hp pump with recirculation system for proper suspension of magnetic particles.
- Pneumatic operated Head stock and adjustable tail stock with necessary insulations for the contact plates.
- Operator control panel is provided on the bench at convenient height.

SMB-20 WET HORIZONTAL MPI BENCH UNIT - HW SERIES

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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, Over haul, service and MRO industries.

Specifications

MAX. OUT PUT	2000 AMPS AC/ HWDC
MAX. JOB LENGTH	400 MM (Extra lengths on request)
COIL SIZE	250 MM
NO.OF TURNS OF COIL	5
INPUT SUPPLY	415 V, 50 HZ, 1PH. (2 LINES OF 3 PH)
MAX. COIL OUTPUT	900 AMPS AC 1300 AMPS HWDC
LINE AMPS	32 A
O C VOLTAGE	8.0 V
TRANSFORMER	10 KVA
TRANSFORMER CLASS OF INSULATION	'F'
DUTY CYCLE	INTERMITTENT
THYRISTOR	25 A
RECTIFIER ASSLY.	2000 Amps
WHITE LIGHT IN DARK ROOM	<10 LUX
FOOT PRINT	1400 X 1200MM
AUXILARY SUPPLY	230V, 5 AMPS
PUMP	0.5 HP X 1440 PRPM
BATH TANK	S S 304, 20 ltrs

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
- Central conductors
- Centrifuge tubes
- Copper pads

Distributor



Manufactured by :

SQUAREMAG SYSTEMS

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