

EECIFLUX B-200 HORIZONTAL BENCH TYPE EQUIPMENT (FOR MAGNETIC PARTICLE INSPECTION)



This is a multidirectional magnetization unit with capability to magnetize up to 2000 Amps. It provides alternating current (AC) and full wave DC (HWDC) as test current for effective magnetization and surface and subsurface detection of cracks. It can be used in industries like Forging Shops, Aircraft Overhaul Stations, Heat treatment Plants where high magnetizing currents are required with high level of accuracy.

FEATURES:

- Contact shot for Circular magnetization & Coil shot for longitudinal magnetization of parts.
- 2000 Amps. AC & 2000 Amps HWDC
- Fabricated Frame (M.S.) with splash guard & wood grill assembly
- Stainless Steel circulation tank of SS-304 Grade Material with Turbulence agitation system, Mono-Block Pump and Hand Nozzle.
- Rugged construction for reliable magnetic inspection. In-built power source with infinitely variable self-regulating current control.
- 5 turn 300-mm. dia base mounted coil.
- Pneumatically operated headstock with foot switch (100 mm stroke length) & rail mounted hand-operated tailstock, both with steady rest for heavy job handling.
- Analog Ammeters with calibration facility.
- Control Panel with push bar assembly
- In-built AC decay Demagnetization facility.
- Black color Inspection hood of resin for Fluorescent wet particle inspection of jobs under ultraviolet lights.
- AC / FWDC changeover by Selector Switch
- Magnetization Time controlled by Logic Control PCB.
- Current assurance indicator with audiovisual facility.

TECHNICAL SPECIFICATIONS:

| Description: | Model 000 Amps |
|------------------------|----------------------------|
| Dimension without hood | 1850(L)x940(W)x1780(H) |
| Net Weight | 850 Kgs. |
| Coil Diameter | 300 mm |
| Input Supply | 415 V, 50 Hz, 2 Phase |
| Input Current | 135 Amps. |
| Duty Cycle | 0.5 sec ON 5 sec OFF |
| Part Length Capacity | 1750 mm |
| Part Weight Capacity | 80-90 Kgs. |
| Tank Capacity | 40 Liters |
| Output Ports | 2 ports, 230V, 50 Hz |
| Air supply | 5 Kg / cm ² FRL |

OPTIONS:

- Auto – Combination Shot facility
- Rotating head & tailstock for 360° inspection of jobs.
- Central Conductor facility for inspection of hollow cylindrical parts
- Automatic Magnetization
- Coils of 8", 12", 16", 20", 25", 30" for jobs of different diameters.
- Job loading, job holding, job clamping facilities also available as on request.



Manufactured by
Parikh Industries
Dadra - 396230.

Marketed by
ELECTRONIC & ENGINEERING CO. (I). P. LTD.

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