

MAG 40

MPI Test Bench Unit

The Magnaflux MAG 40 test benches are self-contained, low-cost units that detect and locate fatigue cracks or processing defects using the 'wet continuous' method of magnetic particle inspection.

These medium-duty machines are ideal for machine shops, tool rooms, foundries and similar plants where low-volume testing of ferrous components is required.



FEATURES

- Can inspect components up to 1m in length.
- Thyristor controlled
- 2,500 Amp output
- AC and halfwave DC
- Stainless steel tank

PRODUCT PROPERTIES

	MAG 40 HD	MAG 40 HFD
Magnetising current output	2,500 Amps AC RMS 2,500 Magamps HWDC	2,500 Amps AC RMS 2,500 Magamps HWDC
DC flux 20,000 ampere turn	No	Yes
Coil diameter	225 mm (traversing)	150 mm (clamping)
Current control	Infinitely variable	Infinitely variable
Typical duty cycle	1.5 seconds 'ON', 15 Seconds 'OFF'	1.5 seconds 'ON', 15 Seconds 'OFF'
Mains electricity supply requirements	380 or 415 Volts, 50 Hz, 1 Ph	380 or 415 Volts, 50 Hz, 1 Ph
Line current draw for duration of maximum current shot	63 Amps	63 Amps
Recommended external fuse size	50 Amps	50 Amps
Mains input cable size (30 m maximum length)	16 mm ²	16 mm ²
Compressed airline (customer to provide regulator)	Minimum 5 Bar	Minimum 5 Bar
Digital metering	Yes	Yes
Auto sequence	No	Yes
Decay demag facility	Yes	Yes

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All units carry the CE mark and conform to the appropriate EU directives.

USER RECOMMENDATIONS

Accessories	GD 40 Magnaglo hood (001H012) Air Pressure Regulkator and Gauge (004P144) Head/tailstock 'V' block (15495A3) 150 mm diameter coil (008C033) Manual Clamp/Small Parts Adaptor (030C035) Contact Pad (031C016) Central Conductors (028T002, 028T004)
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PART NUMBERS

MAG 40 HD 007E241
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