

MAG 40 Series

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 Amps output
- AC and Half Wave DC
- Stainless steel tank

PART NUMBERS

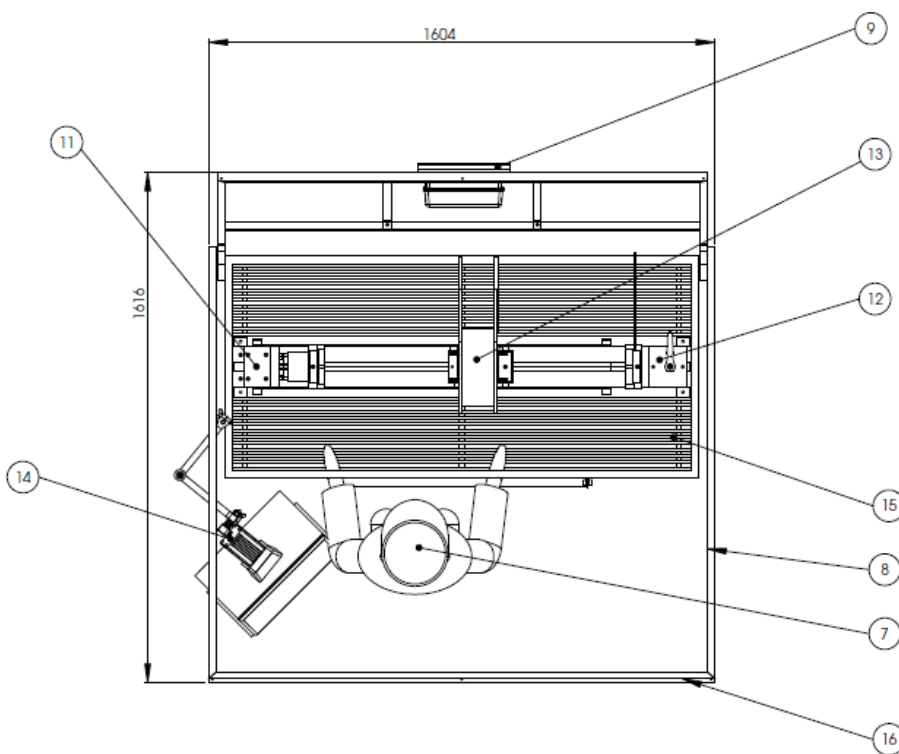
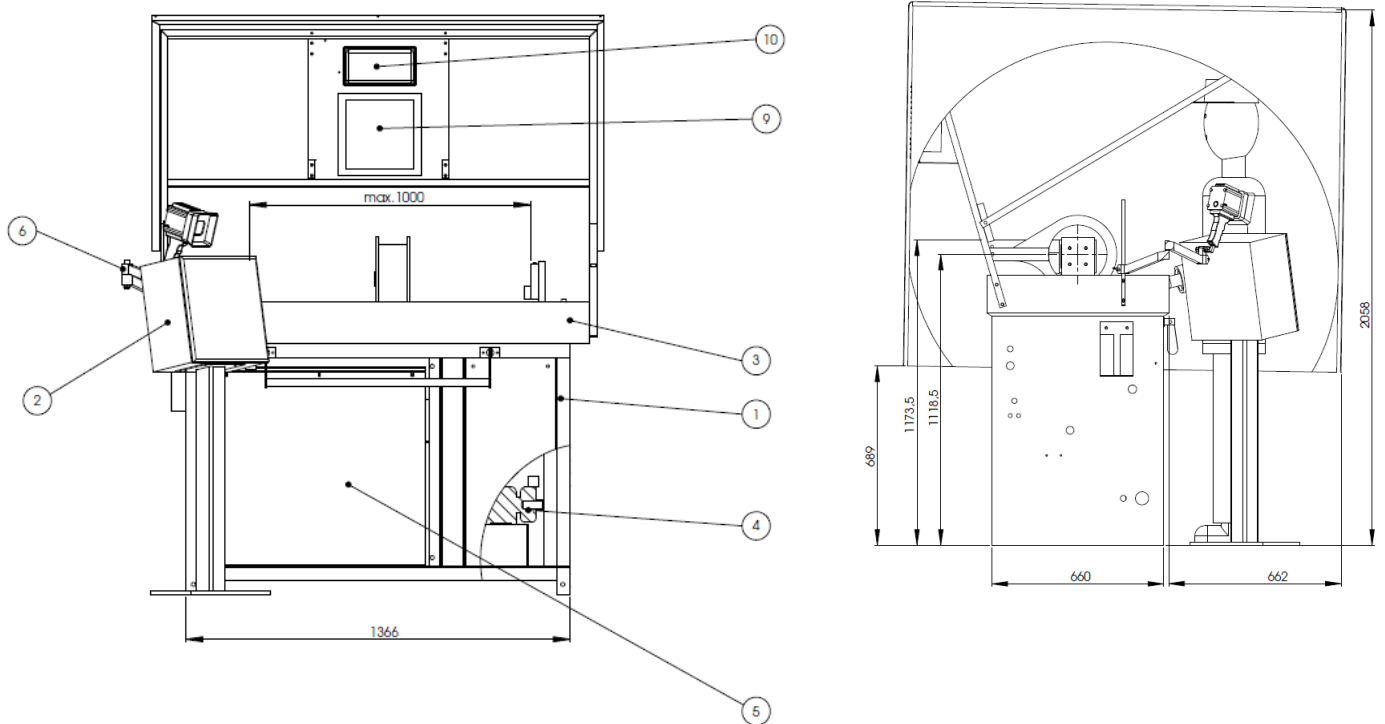
MAG 40 HD	007E241
MAG 40 HFD	007E243

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

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
Tank capacity	25 litres	25 litres

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DIMENSIONS

1. Test bench unit
2. Control panel
3. Ink tank
4. Ink pump
5. Transformer and control cabinet
6. UV lamp support
7. Operator
8. Darkening booth
9. Fan
10. Daylight lamp
11. Headstock
12. Tailstock
13. Coil (dia. 225 mm)
14. EV6000 UV lamp
15. Front and rear grills
16. Darkening booth