

# 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

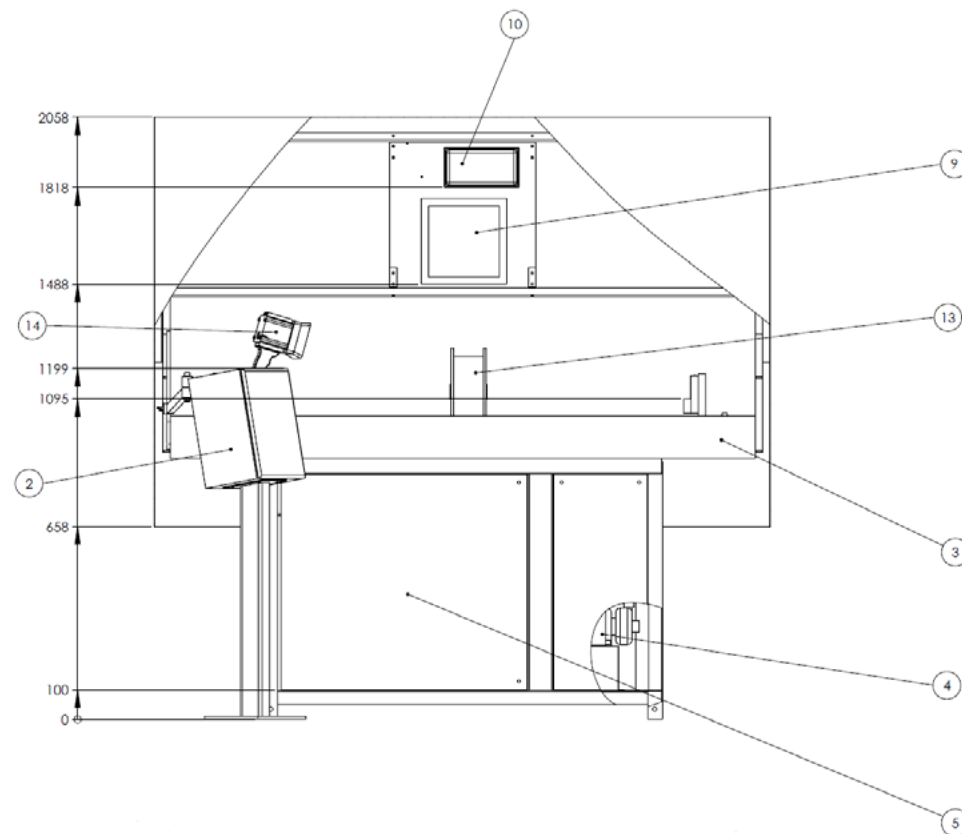
MAG 40 HD	007E241
MAG 40 HFD	007E243

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

### PRODUCT PROPERTIES

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

# MAG 40 Series



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

