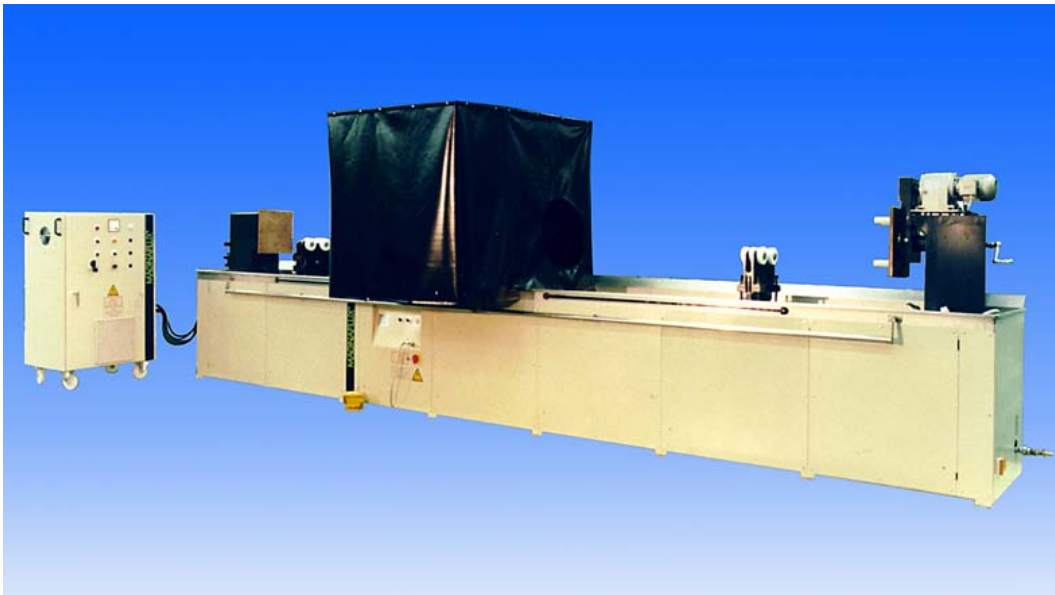


- Thyristor Controlled Current
- 5000 Amp output
- AC & Halfwave DC Stainless Steel Tank

**MAGNETIC PARTICLE INSPECTION EQUIPMENT**

**RXH 3520/48  
MAGNETISING FIXTURE**

Designed for the Magnetic Particle Detection of surface and sub-surface cracks and flaws in large crankshafts



Rotating Tailstock



Rotating Headstock / Heavy Duty Supports  
MAG50/5HM 5000 amp AC/HWDC Power Pack

**MAGNAFLUX<sup>®</sup>**

Division of ITW Ltd

## MAGNETIC PARTICLE INSPECTION EQUIPMENT

# RXH 3520/48 MAGNETISING FIXTURE

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The units are lathe-type in structural design, being built on a heavy duty hollow section framework and enclosed by steel panels having a wear-resistant “RAL 7032” paint finish.

Fitted in the top half of the framework is an inspection bath comprising a stainless steel V-shaped tank which contains the magnetic bath and agitation system.

The head and tailstock are in an aluminium fabrication and provide positive clamping and direct electrical contact (circular magnetisation). The headstock is fixed top left of the unit and incorporates a pneumatically operated clamping plate and contact pad.

A similar contact pad is fitted to the tailstock which moves on a trackway extending the length of the unit. The tailstock adjustment is by means of a hand crank whilst the faceplate rotation is motor driven, the headstock faceplate has free rotation.

Two heavy-duty movable steadyrests with adjustable height rollers are provided for component support and they sit directly onto the trackway (bedbar).

The magnetising powerpack is a separate mobile unit (MAG50/5HM) – see separate leaflet.

### Specification and Operating Data

Maximum Component Size	600 mm diameter x 4800 mm long
Maximum Component Weight	2000 kg
Circular Magnetism	Pneumatic Clamping Faceplate
Longitudinal Magnetism	625 mm Diameter Encircling Traversing Coil
Part Handling	Motorised Rotation
Demagnetisation	Decaying A.C.
Current Control	Infinitely Variable
Electrical Supply	380/415V, 3-phase Neutral and Earth
Air Supply	5 Bar (min)

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