

Stationary magnetic particle testbench

UNIMAG 1500 AC/AC



Basic description:

- Clamping length between the poles 1500 mm, stroke of pneumatic valve 10 mm, mechanically poles adjustment
- Sinus waveform of all magnetic circuits, stepless setting
- Current (circular) AC magnetization, max. current 4000 A_{rms} (effective)
- Manually movable AC coil \varnothing 305 mm - 8000 AT (AmperTurns) / $18 \text{ kA}\cdot\text{m}^{-1}$
- Flux flow magnetization AC (opened yoke) - 17 500 AT (AmperTurn); switching between movable coil or flux-flow coils (yoke)
- Signalling deviation $\pm 10\%$ of preset values for both circuits (only at control loop setting)
- Switched control loop for circular (current) magnetization
- Simultaneous magnetization current + flux flow or coil (multidirectional)
- Timer for prewetting 0,5 - 10 sec; Timers for magnetisation and wetting 0,5 - 10 sec.
- AC demagnetization by decreasing curve (cca 2 sec.)
- Duty cycle (intermittent) 50 %
- Manual/automatic process control
- Ink system with 40 litres stainless steel reservoir, pump 390 VA, delivery rate 160 l/min., hand hose spraying
- Weight of tested parts up to 100 kg
- Feeding 3 + PE 400 V - 50 Hz, power consumption 80 kVA

Option:

- Dark cabine, UV lamps, UV meters, light meters (Luxmeters), Gauss/Tesla meters, MTU gauges, Berthold's gauges, centrifuge tubes
- Coils / tunnels for demagnetization, conveyors