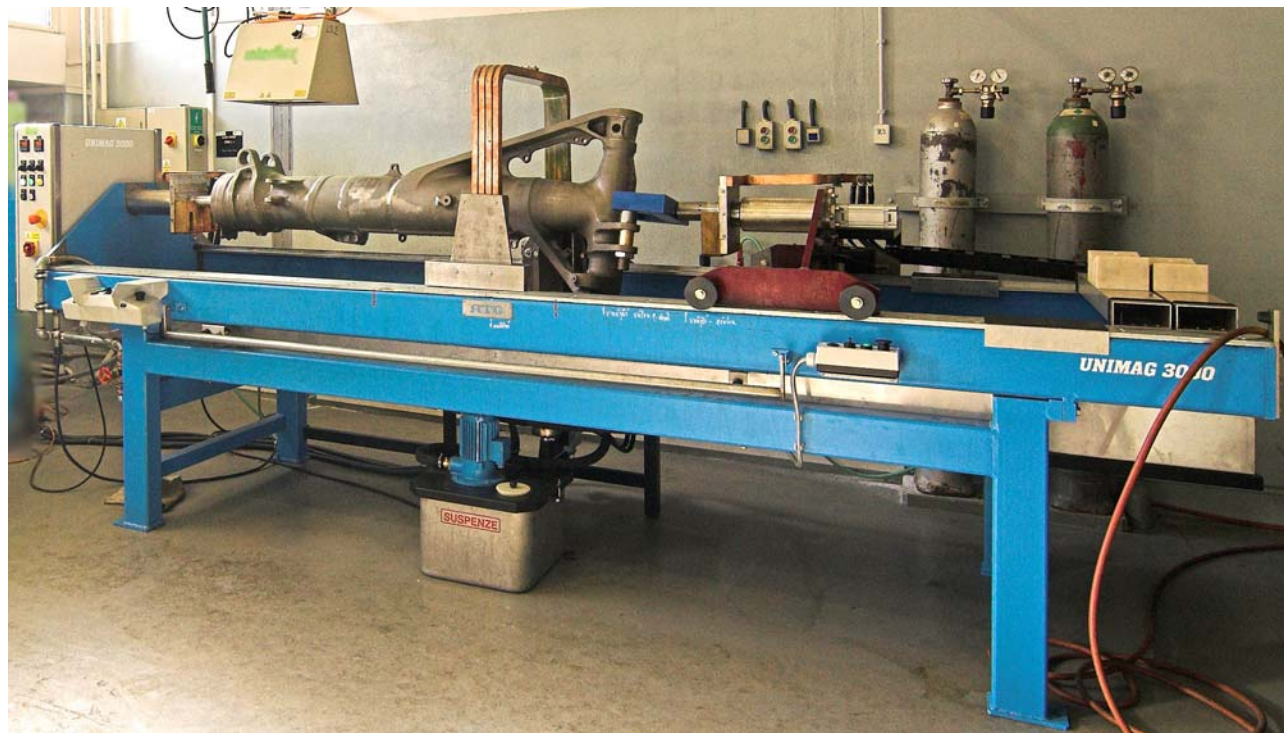


The Magnetic Particle Bench

UNIMAG 3000 with rectangular coil



Outer cylinder of landing gear Boeing 737 – 800. Testing on the *UNIMAG 3000*

Basic description:

- Clamping length between the poles from 3000 mm; as option up to 5600 mm, maximum load 300 kg, more as option
- Stroke of pneumatic valve 25 mm, manually carriage adjustment
- PLC control system, setting by touch screen and keyboard
- Three phase FWDC from 4000 A up to 10 000 A, AC 2500 as option up to 6000 A
- Movable coil \varnothing 410 mm (16"), motorized, parking position out of clamping space
- Signalling deviation \pm 10% of presetted current value
- Timers for magnetisation shot and wetting 0,5 - 10 sec; setting number of shots
- AC demagnetization by short decreasing curve (2 sec.)
- Duty cycle (intermittent) 30 %
- Manual/automatic process control
- Electropneumatic switching between circularly and lengthwise magnetization
- Ink system with 40 litres stainless steel reservoir, pump 90 VA, hand hose spraying
- Feeding 3 + PE 400 V - 50 Hz, power consumption 50 kVA

Option:

- DC demagnetization 30 steps
- Coils from \varnothing 305 mm (12") to \varnothing 610 mm (24") or rectangular window up to 600 x 900 mm
- Added braces for 1000 kg or 2000 kg weight of tested part
- Manually rotation of the tested part
- Dark cabine, UV lamps, UV meters, light meters (Luxmeters), Gauss/Tesla meters, MTU gauges, Berthold's gauges, ASTM field indicators, ASTM centrifuge tubes
- Coils / tunnels for demagnetization, conveyors