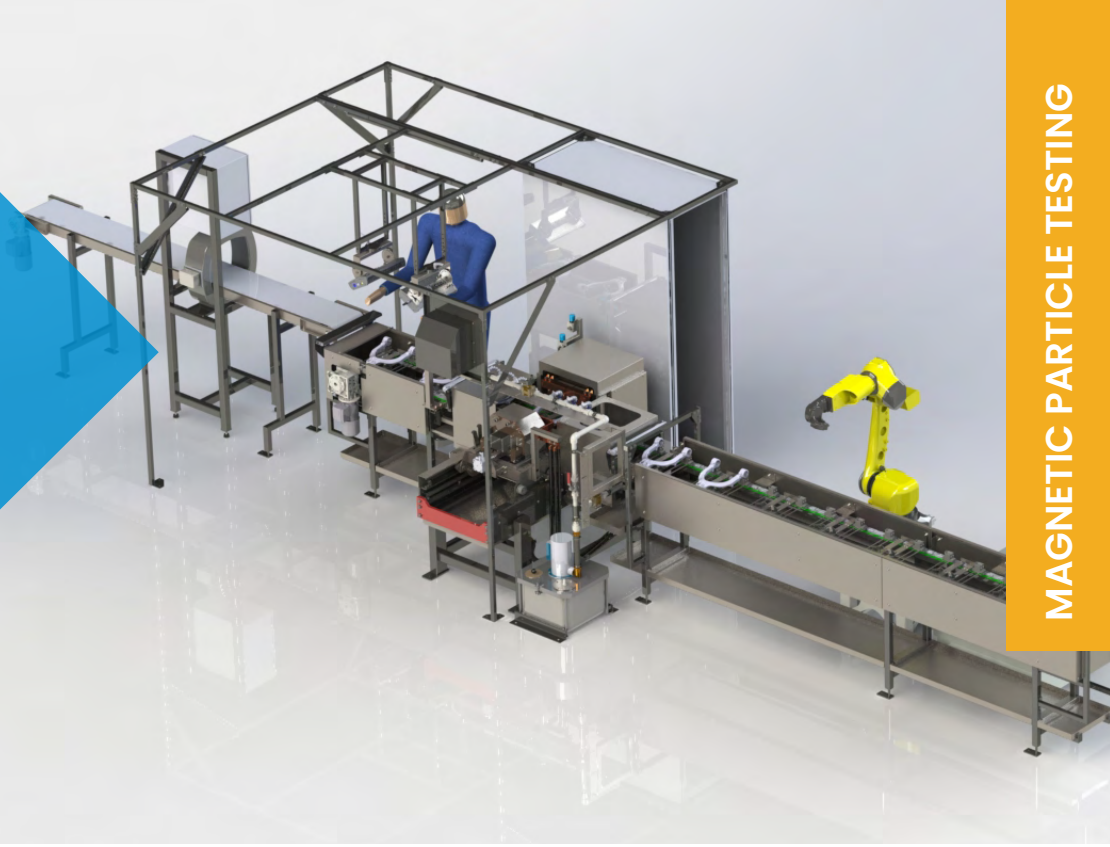
COMPLETE SOLUTION FOR NDT



MAGNETIC PARTICLE TESTING

UNIMAG TWIN

If your parts have not optimal shape for standard benches, then we can manufacture for your "Y, V, U, T, X" shaped and other complicated parts *UNIMAG TWIN* system with individual multiple contacts, which ensure fast and reliable magnetization even if the shape part is extraordinery complex.

The equipment consists of a stepping conveyor, an AC *UNIMAG TWIN* magnetiser with pneumatic clamping, a 40 litres suspension tank with pump, a nozzle system for pouring the part, an exit conveyor with demagnetizing tunnel and a darkened inspection cabin with UV LED lamps and auxiliary white light.

Key features

- Robust steel frame
- Precise current measurement
- Constant current control by high speed regulatory loop (ARM processor)
- High duty cycle
- Timer accuracy better than 0.1 s.
- Clamping pressure regulation
- Possibility of configuration as standard stationary MT bench

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Parameters

Kinds of magnetization currents	AC longitudinal / 2x AC circular
Automated course of the test	optional
Maximum time of the current opening	10 seconds
Rated magnetizing current Ir	2x AC 2000 A at shunt 2500 A / 60 mV
Longitudinal magnetization	15.000 AT
Maximum length of clamping	520 mm
Clamping method	pneumatic, 20 mm lift
Air pressure / clamp thrust at 0.30 MPa	0.30 – 0.60 MPa / 935 N
Type of the testing media used	water or oil based suspension
Power supply	3 + N + PE 400 V, 50 - 60 Hz
Power input	According type up to 100 kVA
Control (operating) voltage	24 V DC
Demagnetization	by demagnetization tunnel DEMAT 300