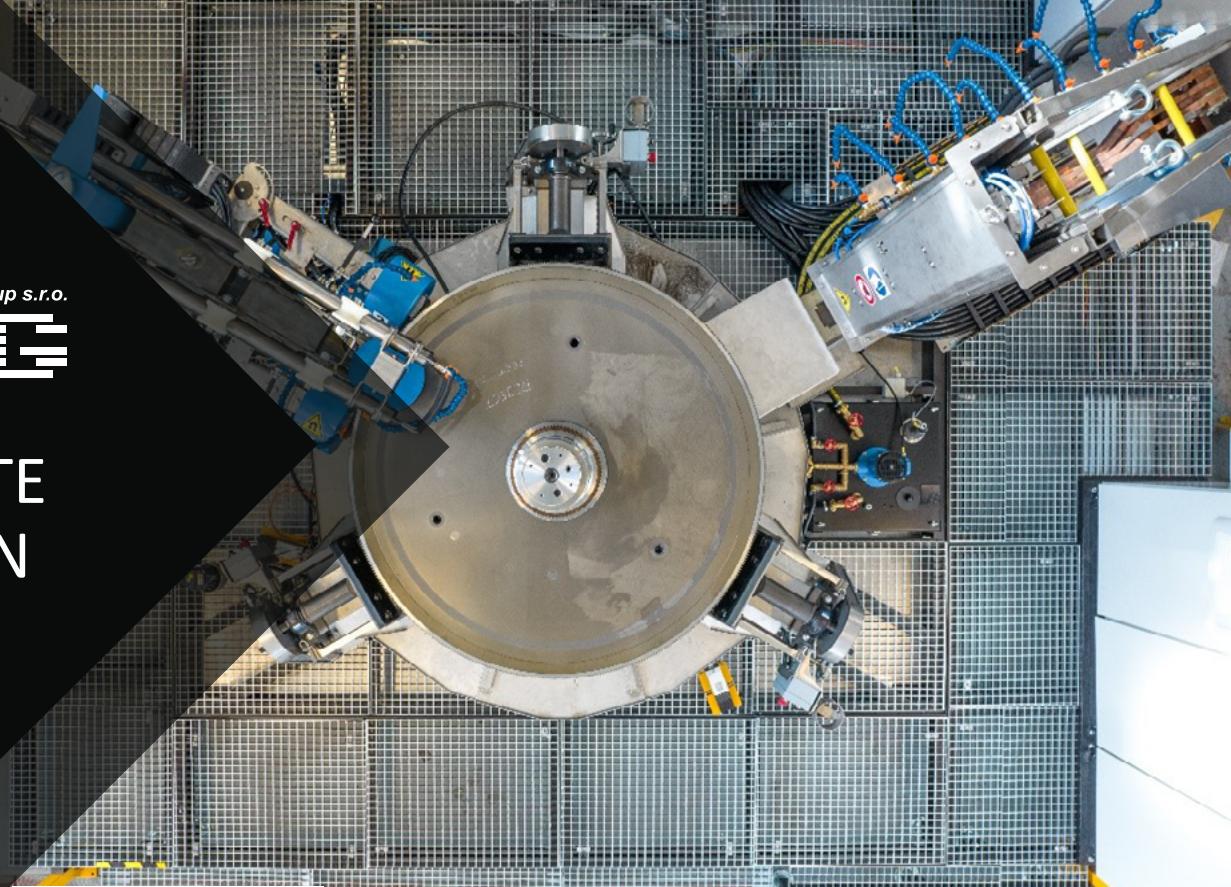




## COMPLETE SOLUTION FOR NDT



## UNIMAG 2000 FLAT AC/HWDC

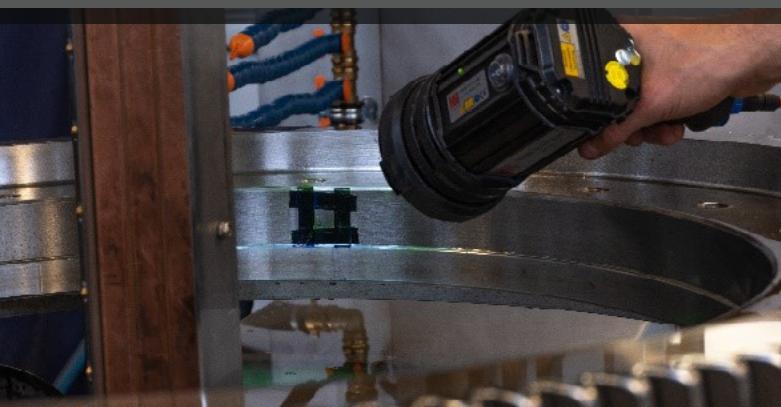
The system UNIMAG 2000 FLAT is designed for Magnetic Particle Inspection for automatic testing of large gears, cog wheels or rings. The UNIMAG significantly reduces inspection time up to 1/3 and increases testing reliability and safety! Complies with norms:  
ASTM E 1444, EN ISO 99341-2, BSS 7040, PR 5300, GOST 56512.

- | Crack detection
- | All defect orientation
- | Outer and inner surface

- | Cross yoke AC/AC
- | Split coil AC-HWDC
- | 30% load factor

- | Automatic defect recognition
- | Powerfull Demagnetization
- | Residual magnetism  $\leq 3$  G

### FAST, SAFE AND RELIABLE MAGNETIC PARTICLE INSPECTION



## MAIN FEATURES



1

Kinds of magnetization currents:

Yokes AC/AC; coil AC/ HWDC

2

Kind of regulation:

Phase angle control, no sinusoidal course

3

Method of regulation:

Continuous setting

4

Method of constant current regulation:

Fast control/regulation loop

Control of the magnetization current:

Signalization if exceeded by  $\pm 10\%$

Working cycle during maximum output:

30 % / 1 hour

Maximum time of the current opening:

3 min continuous

Maximum mass of the part:

5000 kg

Maximum testing diameter / thickness:

2000 mm / 500 mm

Air pressure min. / max.:

Min. 0.45 – 0.60 MPa

Type of the testing media used:

Water, oil



**Magnetic Particle Inspection of big rotary parts can be so fast and simple, now!**