

Uniflux

Ihr Partner bei der
zerstörungsfreien Werkstoffprüfung

Uniflux UF 1100 - 4000 Unoflux SPE

Crack test bench for magnetic particle
testing according to DIN 54131 and VDE



Crack Detection Bench Universal UF 1100–4000 Unoflux SPE

High-performance magnetic particle testing system for non-destructive materials testing

The **crack detection systems of the UF 1100–4000 Unoflux SPE series** are high-quality, robust systems for **magnetic crack detection** of ferromagnetic materials. They enable **longitudinal and transverse magnetization in separate operations** and are equipped with a powerful **high-current coil**.

Possible magnetization methods:

- Current Flow: Indication of Longitudinal Cracks
- Auxiliary flooding: Indication of longitudinal cracks
- Coil magnetization: Indication of transverse cracks

Execution:

- Longitudinal and transverse magnetization in separate, sequential operations
- Separate high-current generator to supply both magnetizing circuits
- Pneumatic clamping device in the left clamping pole
- Right clamping pole can be moved and locked manually
- High-current changeover switch with two function positions:
 - *Workpiece clamped*: current or auxiliary flooding possible
 - *Workpiece relaxed*: field or induction flooding possible
- Mobile high-current coil, diameter 400 mm or 500 mm

Optional accessories:

- Magnetic Particle Testing Equipment
- UV Illumination and Field Strength Meters
- Special clamping devices for special workpieces

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Your partner in the
Non-destructive material testing

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SPECIFICATIONS

Uniflux UF 1100 - 4000 Unoflux SPE

	UF 1100 Unoflux SPE	UF 2500 Unoflux SPE	UF 3000 Unoflux SPE	UF 4000 Unoflux SPE
Length of entry	20 – 1100 mm	20 – 2500 mm	20 – 3000 mm	20 – 4000 mm
Clamping stroke with foot switch	7 mm	7 mm	7 mm	7 mm
Clamping stroke with Two-hand safety switch	50 mm	50 mm	50 mm	50 mm
Bobbins	400 / 500 mm	400 / 500 mm	400 / 500 mm	400 / 500 mm
Connection	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Compressed air	5 bar	5 bar	5 bar	5 bar

Order number: **300-016-201** **300-016-200** **300-028** **300-023**

***Other voltages and modifications available on request**

Other accessories for non-destructive testing:



Field strength measuring device test specimen D250
MFM 200.1 (according to Prof. Berthold)

CONTACT US TODAY!

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