

Uniflux

Ihr Partner bei der
zerstörungsfreien Werkstoffprüfung

Uniflux Crack Detection Bench Micro-Flux 300

for non-destructive magnetic particle
crack testing according to DIN 54131, Part 1
and EN ISO 9934-3



System description:

- **Micro-Flux:**
 - For testing small parts according to ISO 9934-3
 - A compact and multi-directional magnetic particle test bench
 - Is equipped with two AC magnetization circuits
 - A rotating magnetic field is generated by two phase-shifted alternating currents
 - Cracks are displayed in every direction in one operation

Versions:

- **Micro-Flux 300**
- **Micro-Flux 450**
- **Using magnetizing mandrels, annular parts are possible for testing using the following methods:**
 - Induction flooding to indicate radial cracks
 - Auxiliary flooding to indicate axial cracks
- **Each magnetizing circuit is equipped with:**
 - Demagnetization in both circuits
 - Stepless intrinsic control
 - Display instrument analogue or digital
 - Each magnetization circuit can be switched on or off individually
 - Compact design

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Your partner in the
Non-destructive material testing

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TECHNICAL DATA

Device Type	Micro-Flux 300	Micro-Flux 450
Length of entry	10 – 300 mm	10 – 450 mm
Clamping stroke	7 mm	7 mm
Workpiece diameter	max. 125 mm	max. 125 mm
Workpiece / Weight	max. 40 kg	max. 40 kg

Current Flow AC

Stepless, Electrically adjustable	Effective 1000 A Peak 1400 A	Effective 1000 A Peak 1400 A
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Field Flooding AC

Stepless, Electrically adjustable	max. 12 KAW	max. 12 KAW
Operating data:		
Grid connection	3 x 400 V	3 X 400 V
Control voltage	15 V	15 V
Power consumption	32 A	32 A
Duty cycle	30% ED	30% ED
Order number:	200-010	200-011

Options:

- Amplification of current flow max. test current 1500 A / 2000 A / 2800 A
- Magnetization control of current and field flow
- Pneumatic clamping of the workpiece
- Blackout booth with extraction
- UV high-performance lamps with lamp stand
- Magnetizing mandrels for auxiliary and induction flooding
- Increasing the tip height
- Surface shower for Micro-Flux 300 and 450
- Auxiliary flooding to indicate axial cracks



CONTACT US TODAY!

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