

## UNIFLUX Micro-Flux 300 and Micro-Flux 450 Compact Multi-Directional Magnetic Particle Tester

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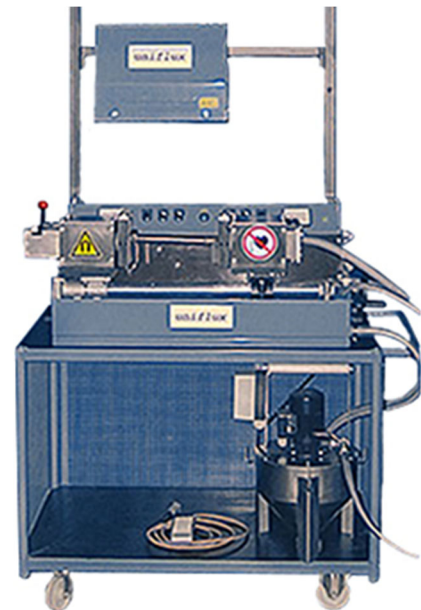
The Uniflux Micro-Flux 300 & 450 Micro-Flux Multi-Direction Magnetic Particle Tester for small parts crack detection according ISO 9934-3

The **Micro-Flux 300/450** is equipped with two AC phase-shifted magnetizing circuits that create a rotating



magnetic field for detecting cracks in both the longitudinal and transverse orientations in one operation.

- Induction (yoke) to detect radial cracks
- Current flow to detect axial cracks
- Using a central conductor ring-shaped parts AC can be inspected
- Each magnetizing circuit is equipped with:
  - Demagnetization
  - Infinitely variable intensity control
  - Digital Current meters
- Each magnetization circuit can be switched on or off individually
- Compact design
- Foot switch activation
- Test current Magnetization control of the current and field flow
- Pneumatic clamping of the workpiece



Specifications	Micro-Flux 300	Micro-Flux 450
Clamping length	0.4 - 12" (10 - 300 mm)	0.4" - 18" (10 - 450 mm)
Clamping stroke manually operated	0.28" (7 mm)	0.28" (7 mm)
Workpiece diameter max.	5" (125 mm)	5" (125 mm)
Workpiece / weight max.	88 lbs. (40 kg)	88 lbs (40 kg)



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Current flow	AC	AC
continuously, adjustable effective * 1,500A Optional	1000 A	1000 A
Peak	1400 A / 1900 A	1400 A / 1900 A
Field flooding alternating current	12 KAW max.	12 KAW max.
Input Current	400-500V 3-Phase	400-500V 3 Phase
Control voltage	24 V	24 V
Power consumption	32A	32 A
Duty cycle	30%	30%
<b>Options</b>		
Blackout Cabin with Trolley		
High Performance UV LED with Light Stand		
Fluid Flow Spray Bar with 8 liter container		

### Additional Options:

- Central Conductors for auxiliary and induction flow
- Increases center height designs on request!
- Modifications and special designs on request!