

# Universal SW

## Stationary Crack Detection Units

Our Universal SW stationary test benches are suitable for testing work pieces with clamping lengths from 1,200mm to 3,200mm. The clearance coil diameters of the basic units are 400 or 500mm. Universal benches can process test pieces with a maximum weight of 300kg (standard) or 1,000kg (optional).



The standard Universal test benches of the SW series are equipped with two AC circuits. This allows the indication of longitudinal and transversal cracks at the same time. For longitudinal cracks, use axial current flow; for transversal cracks, use coil magnetisation.

### FEATURES

- pneumatic clamping of the test pieces
- infinitely variable clamping length adjustment
- manually moveable magnetisation coil
- stainless steel test liquid drip tray and tank
- separate dust-proof switch cabinet with display and operating elements
- command box with control keys and emergency-off at the front of the test bench
- demagnetisation for both magnetisation circuits

#### Optional:

- automatic coil traction
- automatic spraying by ring shower
- manual or motorised rotation devices for test piece inspection
- special magnetisation coils
- additional magnetisation circuits
- darkening cabins
- stationary UV lamps

### USER RECOMMENDATIONS

<b>NDT Method</b>	Magnetic Particle Testing
<b>Accessories</b>	Contact plates (129201 - 212)

### PRODUCT FEATURES

<b>Rated current - effective</b>	3000 A
<b>Rated current - peak</b>	4200 A
<b>Coil magnetisation</b>	4500 AT
<b>Current</b>	AC
<b>Mains connection</b>	3 x 400 V /N/PE
<b>Frequency</b>	50 HZ
<b>Duty cycle (relative)</b>	30%
<b>Duty cycle (absolute)</b>	30 SEC
<b>Pre-selection test current/intensity</b>	infinite
<b>Constant current control</b>	yes
<b>Measuring instrument</b>	digital
<b>Compressed air connection</b>	5 to 7 bar
<b>Clamping force (approx.)</b>	1000 N
<b>Max. test piece weight (basic unit)</b>	300 kg
<b>Clearance coil (basic unit)</b>	400 mm

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## PRODUCT FEATURES AND PART NUMBERS

		<b>120 SW</b>	<b>170 SW</b>	<b>210 SW</b>	<b>260 SW</b>	<b>320 SW</b>
<b>Part number</b>		023120	023170	023210	023260	023320
<b>Power consumption (approx.)</b>	kVA	65	65	75	75	80
<b>Clamping length, taking the standard test piece supports into account</b>	mm	70 to 1200	70 to 1700	70 to 2100	70 to 2600	70 to 3200
<b>Length</b>	mm	3200	3700	4100	4600	5200
<b>Width</b>	mm	2300	2300	2300	2300	2300
<b>Height</b>	mm	2400	2400	2400	2400	2400