

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

PROPERTIES

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

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USER RECOMMENDATIONS

NDT Method	Magnetic Particle Testing
Accessories	Contact plates (129201 - 212)

PRODUCT FEATURES AND PART NUMBERS

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