

ماشین سازی صالحی

نماینده انحصاری شرکت Fischer آلمان در ایران و افغانستان

GOLDSCOPE SD® 510
GOLDSCOPE SD® 515
GOLDSCOPE SD® 520
GOLDSCOPE SD® 550

ماشین آلات GOLDSCOPE جهت آنالیز و تعیین عیار طلا و جواهر و سکه و انواع فلزات گرانبها



GOLDSCOPE SD 510



GOLDSCOPE SD 515
GOLDSCOPE SD 520
GOLDSCOPE SD 550

Standards	GOLDSCOPE SD 510	GOLDSCOPE SD 515	GOLDSCOPE SD 520	GOLDSCOPE SD 550
CE approval	EN 61010, EN 61326			
X-Ray standards	DIN ISO 3497 and ASTM B 568			
Approval	Individual acceptance inspection as a fully protected instrument according to the German regulations „Deutsche Röntgenverordnung-RöV“.	Fully protected instrument with type approval according to the German regulations „Deutsche Röntgenverordnung-RöV“.		
Sample Stage				
Design	Fixed sample support			
Max. sample weight [kg/lb]	13/29			
Usable sample placement area [mm/in]	305 x 490/ 12 x 19.3	310 x 320/ 12.2 x 12.6		
Max. sample height [mm/in]	130/5.1	90/3.5		
Dimensions				
External dimensions	405 x 588 x 426/ 16 x 23 x 17	403 x 588 x 365/16 x 23.2 x 14.4		
Width x depth x height [mm/in]				
Weight [kg/lb]	approx. 45/99	approx. 45/99		
X-Ray Source				
X-ray tube	Tungsten tube, thermally stabilized		Micro-focus tungsten tube with beryllium window	
High voltage, three steps [kV]	30, 40, 50	30, 40, 50	30, 40, 50	10, 30, 50
Primary filter, Material and thickness [µm/mils]	none	none	fixed Al 500/19.7	6x changeable: Ni 10/0.4 no filter Al 1000/39.4 Al 500/19.7 Al 100/3.9 Mylar® 100/3.9
Aperture (Collimator) Ø [mm/mils]	Fixed Standard 1,0/39 Option 0.6/24;	Fixed Standard 1,0/39 Option 0.6/24; 1.0/39 or 2.0/79	Fixed, Standard 1.0/39 Option 0.6/24; 1.0/39 or 2.0/79	4x changeable: 0.2/8; 0.6/24; 1.0/39; 2.0/79
Smallest measurement spot* Ø [mm/mils]	approx. 0.7/28*	approx. 0.7/28*	approx. 0.7/28*	approx. 0.3 /12*
* depends on the measuring distance and on the aperture, the actual measurement spot size is shown in the video image				
X-Ray Detection				
Detector type	Silicon PIN detector peltier-cooled		Silicon Drift Detector (SDD), peltier-cooled	
Resolution fwhm for Mn-K _α [eV]	≤ 180		≤ 160	
Element range	S (16) to U (92)			Al (13) to U (92)
Measuring distance [mm/in]	0 – 25/0 – 1, Distance compensation with patented DCM method for simplified measurements at varying distances. For particular applications or for higher demands on accuracy an additional calibration might be necessary.			