

Service and Maintenance Scope for the X-ray Diffractometer μ -X360s

	Description	
1.0	Main Unit	
1.1	Checking the cables and connections	
1.2	Check collimators	
1.3	Check filter foil	
1.4	Check detector area	
1.5	Check X-ray tube	
1.6	Calibrating the unit-internal beam angle measurement	
2.0	Electrical test of the unit (based on DIN VDE 0701-0702)	
2.1	Protective earth resistance	(< 0,3 Ω)
2.2	Leakage current measurement (residual current method)	(< 3,5 mA)
2.3	Contact current measurement	(< 0,5 mA)
3.0	Safety equipment	
3.1	Emergency Stop	
3.2	Door Monitoring	
3.3	Software emergency stop	
4.0	Software	
4.1	Backup Software	
4.2	Update Software	
5.0	Program Settings	
5.1	Table of constants	
5.2	Information for starting measurement	
5.3	Measurement parameter files	
6.0	Calibration	
6.1	Adjustment with stress free sample and 2,0 mm Collimator	
6.2	Calibration with stress free sample	
6.3	Calibration with compressive stress samples	