

Service Portfolio of Messtronik GmbH			
Definition (Feature):	Name	Scope of Services:	Scope of accreditation:
2003.100/1	Tactile coordinate metrology, 3D in space	Production of test certificates for geometric lengths	yes
2003.101	Tactile coordinate metrology, 3D in space	Measuring geometric bodies in 3D	
2003.102	Optical metrology, 2.5 D	Measuring geometric bodies in 2.5 D	
2003.103	Multi-sensor coordinate metrology	Competence to measure components by use of optical and tactile sensors of measuring machines	
2003.104	Computer tomography	Digitization of components followed by analysis of point clouds and STL models	
2003.105	Structured light scanning	Digitization of components followed by analysis of point clouds and STL models	
2003.106	STL analysis	Analysis of raw data for point clouds, STL and voxel data	
2003.107	X-ray analysis	Examination of components by use of X-ray	
2003.108	Surface testing metrology	Tactile systems for profile methods	
2003.109	Sampling by manual measuring tools	Measuring of geometric features by use of calipers, outside micrometers, dial gauges and gauges	
2003.110	Surface grinding	Mechanical machining of	

		metal materials	
2003.200	Generating test certificates	Generating DAkkS test certificates for geometric lengths by use of technologies 2003.100	
2003.201	First article inspection	First article inspections by use of technologies	
2003.202	Tactile metrology	Geometric bodies. creating references: 3-2-1, RPS or multipoint alignment, bestfit	
2003.203	Special geometrics	Analysis of gears, screws, crankshafts, threads, geometries by mathematic analysis of function. Operated by tactile measurement technology within the scope of accreditation.	
2003.204	Closed	Closed	
2003.205	Variance analysis 3D	Analysis of surface variations (false colour images). Tactile, optical or by point clouds.	
2003.206	Analysis by use of point clouds	Sampling and analysis of draws	
2003.207	Y-rax analysis	Analysis of components by X-ray	
2003.208	Surface testing metrology	Tactile systems for profile methods, extensive inspection by optical systems	
2003.209	Sampling by use of manual measurement technologies	Analysis by use of calipers,	

		outside micrometers, alimeters, dial gauges and gauges	
2003.210	Adjustment of clamping systems	Analysis of current situation. Clamping systems lead to a predefined range of tolerance by modification (mostly grinding). Final documentation of the entire system.	
2003.211	Tomography and digitization and provision of raw data	STL models and voxel volumes	
2003.212	Reverse Engineering	Reconstruction of 3D models by use of scan data or existing components	