SURPRO

Test Methods

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No.	Test	Standard / Reference	Method	Purpose
01.01	**Laboratory electroplating**		Electrolytic plating	Bath trials and small-batch production
01.02	**Bath analysis**		Spectrophotometry, gravimetry	In-house plating bath analysis
01.03	**Coating thickness measurement**	ISO 3497	X-ray fluorescence analysis (XRF)	Non-destructive thickness measurement of metallic coatings
01.04	**Coating thickness measurement**		Metallographic cross-section, FIB cut	Destructive thickness measurement of metallic coatings
01.05	**Hardness measurement**	DIN 6507-1	Vickers microhardness (HV)	Hardness determination of metals
01.06	**Adhesion test**	Lab standard	Heat and bend test	Testing of coating adhesion
01.07	**Adhesion test**	Lab standard	Thermal cycling test	Testing of coating adhesion
01.08	**Corrosion test**	DIN 9227	Neutral salt spray (NSS)	Accelerated corrosion test of metallic coatings
01.09	**Corrosion test**	DIN 9227	Acetic acid salt spray (AASS)	Accelerated corrosion test of metallic coatings
01.10	**Corrosion test**	DIN 6270	Constant condensation atmosphere	Accelerated artificial ageing test
01.11	**Corrosion test**	Lab standard	Sulphur dioxide atmosphere (SO2)	Accelerated corrosion test of metallic coatings
01.12	**Corrosion test**	Lab standard	Ammonia atmosphere (NH3)	Accelerated corrosion test of metallic coatings
01.13	**Corrosion test**	Lab standard	Thioacetamide atmosphere (TAA)	Corrosion behaviour of silver and copper with metallic coatings
01.14	**Corrosion test**	Lab standard	Artificial perspiration	Accelerated corrosion test of metallic coatings
01.15	**Corrosion test**	Lab standard	Ink test	Corrosion behaviour in inks
01.16	**Abrasion test**	Lab standard	Vibratory finishing	Simulation of the wear behaviour of coatings

Questions about our test methods?
Give us a call, we are happy to help.

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