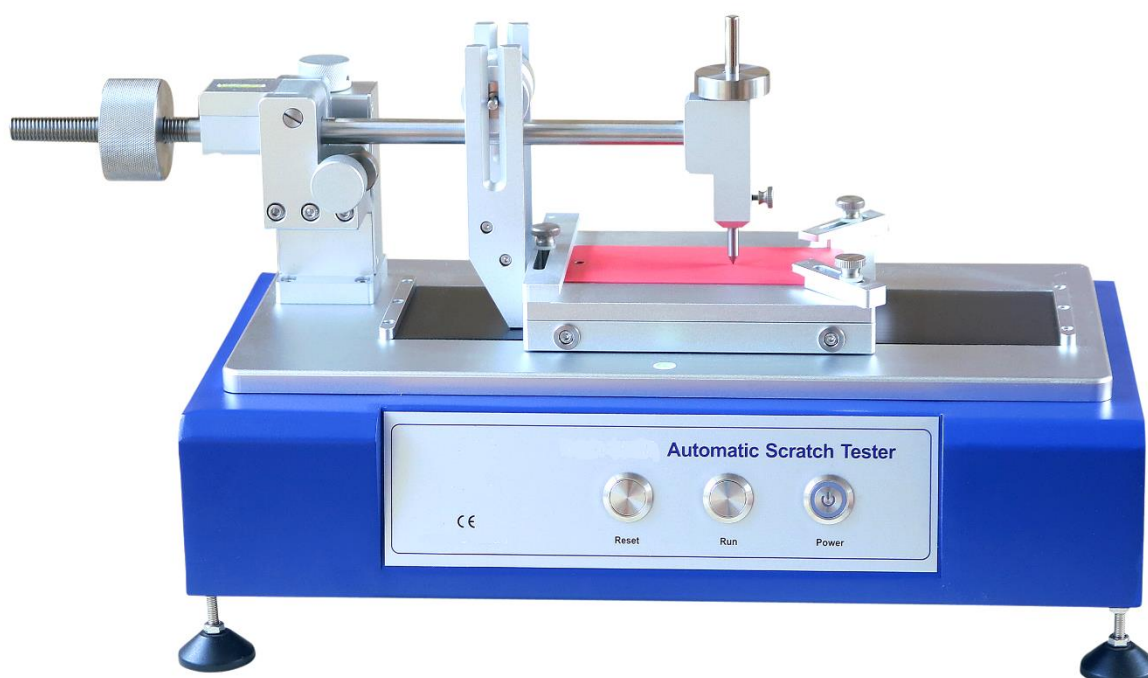


Automatic Scratch Tester



The Automatic Scratch Tester conforms to the latest ISO 1518 (Paints and varnishes - Determination of scratch resistance) which specifies a test method for determining under defined conditions the resistance of a single coating or a multi-coat system of paint, varnish, or related product to penetration by scratching with a scratch stylus with a specified load. Penetration of the stylus is to the substrate, except in the case of a multi-coat system, in which case the stylus can penetrate either to the substrate or to an intermediate coat.

Available as a constant, or a variable loading model, please see table on next page for full specifications

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Key Features

Large working table that can be moved left and right- convenient for measuring different areas in the same panel

Special fixing device for samples allowing testing of different size substrates

Sound-light Alarm system for puncturing through sample panel

Durable Stylus

Replacement Styli available*

Product Code → Technical Parameter ↓	T01-700027	T01-700028
Standards	ISO 1518-1 BS 3900: E2	ISO 1518-2
Stylus	Hemispherical hard-metal tip of radius 0.5mm	Coned sapphire or diamond, tip of radius 0.03mm
Angle between stylus and sample	90°	90°
Weight	Constant-loading (0.5N×2, 1N×2, 2N×1, 5N×1, 10N×1)	Variable-loading (0g~50g or 0g~100g or 0g~200g)
Motor	60W 220V 50HZ	
Stylus Moving Speed	(35±5) mm/s	(10±2) mm/s
Working Distance	120mm	100mm
Max. Panel Size	200mm×100mm	
Max. Panel Thickness	Less than 1 mm	Less than 12 mm
Overall Size	500×260×380mm	500×260×340mm
Net Weight	17 KG	17.5KG

*

T01-700023	T01-700032	T01-700022
Stylus -hemispherical hard-metal tip of radius (0.50 ± 0.01) mm	Stylus- hemispherical hard-metal tip of radius (0.25 ± 0.01) mm	Stylus - Replacement Scratch 0.03mm coned tip