

Elcometer 1700 & 1750 Taber® Rotary Abrasers



Used primarily in the testing of ceramics, plastics, textiles, metals, leather, rubber and painted, lacquered and electroplated surfaces, accelerated wear test procedures have also been written into many test specifications including ASTM, ISO, TAPPI and DIN - as well as automotive manufacturing procedures around the world.

Choose from a wide variety of abrading wheels and abraser accessories to simulate real-life wear conditions.

Features

- Platform speeds 60 and 72rpm
- Balanced, calibrated arms and wheel mounts
- Vacuum system with precision height adjustment
- Sealed aluminium housing with membrane control panel and digital display

Technical Specifications

Part Number	Description		Certificate
UK/EUR 230V	US 115V		
ST981700-2	ST981700-1	Elcometer Taber® 1700 Single Head Abraser (UK/EUR 230V)	•
ST981750-2	ST981750-1	Elcometer Taber® 1750 Dual Head Abraser (UK/EUR 230V)	•
Dimensions	Elcometer Taber® 1700: 315 x 391.2 x 213.4mm		
	Elcometer Taber® 1750: 535.9 x 393.7 x 213.4mm		
	Vacuum Unit: 279 x 279 x 610mm		
Weight	Elcometer Taber® 1700: 14.9kg		
	Elcometer Taber® 1750: 24.9kg		
	Vacuum unit: 10.4kg		

• Calibration Certificate supplied as standard.

Standards

Can be used in accordance with:

ANSI INCITS 322, AS/NZS 1580.403.2, AS/NZS 4266.2, ASTM C1353, ASTM C217, ASTM C241, ASTM C501, ASTM D1044, ASTM D3389, ASTM D3884, ASTM D4060, ASTM D6037, ASTM D-7255, ASTM F1478, ASTM F1978, ASTM F362, ASTM F 510, BS 5599, DIN 52347, DIN 53109, DIN 53754, DIN 53799, DIN 68861-2, ECCA T16, EN 13329, EN 13523-16, EN 14323, EN 14327, EN 14354, EN 14431, EN 14688, EN 14864, EN 1504-2, EN 438-2, EN 660-2, EN 13696, FORD BN108-02, GM9515P, ISO 10074, ISO 14656, ISO 24338, ISO 3537, ISO 4586-2, ISO 5470-1, ISO 7784-1, ISO 7784-2, ISO 9352, JIS A 1453, JIS H 8503, JIS K 5600-5-8, JIS K 5600-5-9, JIS K 6404-22, JIS K 6902, JIS K 7205, NEMA LD 3, NF Q03-055, SAE J 1530, SAE J 1847, SAE J 365, SAE J 948, SIS 923509, SS 923509, TAPPI T 476, UNE 135203-1, UNE 48250, UNE 56842, UNE 56843, UNE 56868, UNE 57095* Standards not in bold have been superseded but are still recognised in some industries

Packing List

Elcometer Taber® 1700 Single Head Abraser

Single head abramer unit with switchable power input (115/230v, 60/50hz)
 Vacuum unit (with 115V or 230V power supply)
 2 x 500g Auxiliary weights
 2 x 1000g Auxiliary weights
 SH-125 Specimen holder (supplied fitted to the abramer)
 SH-101 Hold down ring (supplied fitted to the abramer)
 S-12 Hand brush,
 Torx T25 screwdriver
 Operating instructions

Elcometer Taber® 1750 Dual Head Abraser

Dual head abramer unit with switchable power input (115/230v, 60/50hz)
 Vacuum unit (with 115V or 230V power supply)
 Vacuum y-adaptor & hose kit
 4 x 500g Auxillary weights
 4 x 1000g Auxillary weights
 2 x SH-125 specimen holder (supplied fitted to the abramer)
 2 x SH-101 hold down ring (supplied fitted to the abramer)
 S-12 Hand brush
 Torx T25 screwdriver
 Operating instructions

Accessories

Part Number

Description

ST985000



Model 5000 Sample Cutter

ST132030



Calibration Verification Kit

ST128530



Replacement Blades (Pack of 5)

ST980355



Taber Grit Feeders

ST136132

Upper unit only

ST136133-115

Base unit only (115V, 60Hz)

ST136133-230

Base unit only (230V, 50Hz)

Taber Abrading Wheels and Wearasers

Elcometer 1700 and 1750 Taber® Rotary Abrasers (2 Wheel set)

Part Number	Description	Abrasive Action	Composition
ST125319	CS-5 Resilient Wheel (Pack of 2)	None	Wool Felt
ST135177	CS-8 Resilient Wheel Set (Pack of 2)	Extra Mild	Rubber & Abrasive Grain
ST125321	CS-10F Resilient Wheel (Pack of 2)	Very Mild	Rubber & Abrasive Grain
ST125320	CS-10 Resilient Wheel (Pack of 2)	Mild	Rubber & Abrasive Grain
ST132684	CS-10P Resilient Wheel Set (Pack of 2)	Mild	Rubber & Abrasive Grain
ST130950	CS-10W Resilient Wheel Set (Pack of 2)	Mild	Rubber & Abrasive Grain
ST125322	CS-17 Resilient Wheel (Pack of 2)	Harsh	Rubber & Abrasive Grain
ST125345	S-35 Non-resilient Wheel (Pack of 2)	Severe Cutting	Tungsten Carbide
ST125529	S-39 Non-Resilient Wheel (Pack of 2)	-	Leather
ST132720	S-24 Non-Resilient Wheel (Pack of 2)	-	Aluminium
ST125323	H-10 Non-resilient Wheel (Pack of 2)	Coarse	Vitrified Clay
ST125324	H-18 Non-resilient Wheel (Pack of 2)	Medium, Coarse	Vitrified Clay
ST125325	H-22 Non-resilient Wheel (Pack of 2)	Very Coarse	Vitrified Clay
ST125326	H-38 Non-resilient Wheel (Pack of 2)	Very Fine, Hard	Vitrified Clay
ST125344	CS-0, S-32 Resilient Wheel (Pack of 2)	Very Mild	Non-Abrasive Rubber
ST132661	CS-T3 Resilient Wheel Set (Pack of 2)	Very Mild	Rubber & Abrasive Grain
ST125564	Sand Paper Strips for use with CS-0, S-42	Medium	Sand Paper Strips (pack of 100)
ST121124	Sand Paper Strips for use with CS-0, S-33	Fine	Sand Paper Strips (pack of 100)

All the items listed above are compatible with both the new (Elcometer 1700 and Elcometer 1750) and old models (Elcometer 5135 and Elcometer 5155)