

**PROWHITE<sup>®</sup>**  
**TEST EQUIPMENT**

# About Us

PRO-SER has been producing test equipments and auxiliary test equipments at BS, DIN, ISO, AATCC standards since 1998 till present.

PRO-SER, which offers the entire product portfolio to the end users with the PROWHITE brand, reaches its customers directly to different countries or through its dealers.

PRO-SER company which is formed by combining the founders of the company Seven Yılmaztürk and Cengiz Yılmaztürk's experiences in technology, textile, education and food fields. Today, PRO-SER has become an international company that has been recognized all over the world with its expert staff and wide technological capability. Besides standard testing equipments PRO-SER has the capacity to produce new technological test equipments thus became a solution oriented partner to many other companies all over the world.

The production process of products is done with strict discipline standards in order to guarantee 100% compatibility and continuity. We would like to thank through this catalogue over 3000 customers whom have been trusting and working with us since 1998.



# Fiber Testing



## FIBER DIAGRAM MACHINE



The device is an essential device for accurate and consistent of fiber length measurement.

Devices within the range of 5 ... 500 mm can measured all types of length and length distribution of fibers, Barbe and Hauteur in terms measured.

The world's leading manufacturing firms and after manufacturing quality control measurements can trust the results due to the useing of this device.

It is used to measure in fiber bundle form of fiber.

Easy and fast calibration possibility because of measurement by laser measurement technology.

Recording measurement results according the ambient humidity and temperature ensures consistency.

### Standards

ISO 2646, BS 5182, IWTO 16-67

## FIBER STRENGTH TESTER



It is used to determine fiber's resistance and lengthening rates. It has lengthening measurement features with a precision of 0.1 mm.

Its maximum load capacity is 500 gr and sample movement length is 250 mm. The sample holder jaws are with pneumatic controls. The movement's speed can be digitally adjusted. For usage, Standard laboratory compressor is required.

Rs232 computer output is standard for the device and the computer software, computer and printer are offered optionally.

### Standards

ASTM D 1294, ASTM D 5079, ASTM D 2524, ASTM D 3106, ASTM D 3217, ASTM D 1445, BS 3411, BS 4029, BS 5116, BS EN 12751, DIN 53843-2, EN ISO 5079, EN 13895, ISO 3060

## LIGHTBOX-COLOR ASSESSMENT CABINET



It is used to perform color evaluation and color comparisons under standard light sources. Together with D65 daylight, which offers the best alternative to natural daylight, there are other models offering numerous light sources such as TL84, D50, TL83, F-INCA, UV and U30. The device has an electronic controller on which, the lamp life and its features can be observed.

Models with 4 or 5 light sources are available and can be ordered with observation areas of 60- 120 and 150 cm. Desktop and suspension type models are available.

We also have light cabinets in different sizes and specifications

### Standards

AATCC 61,133,132,117,116 ,109,8, 15,16,23,190,ASTM D1729,BS 950 PART 1,  
ISO 105-C09,C05,C01,C02,C03,C04,C06,C07,C08,X11,NEXT 18,8B,18A,10,9A,9,7B,7A,  
7,6,5,4A,4,3A, 3,2

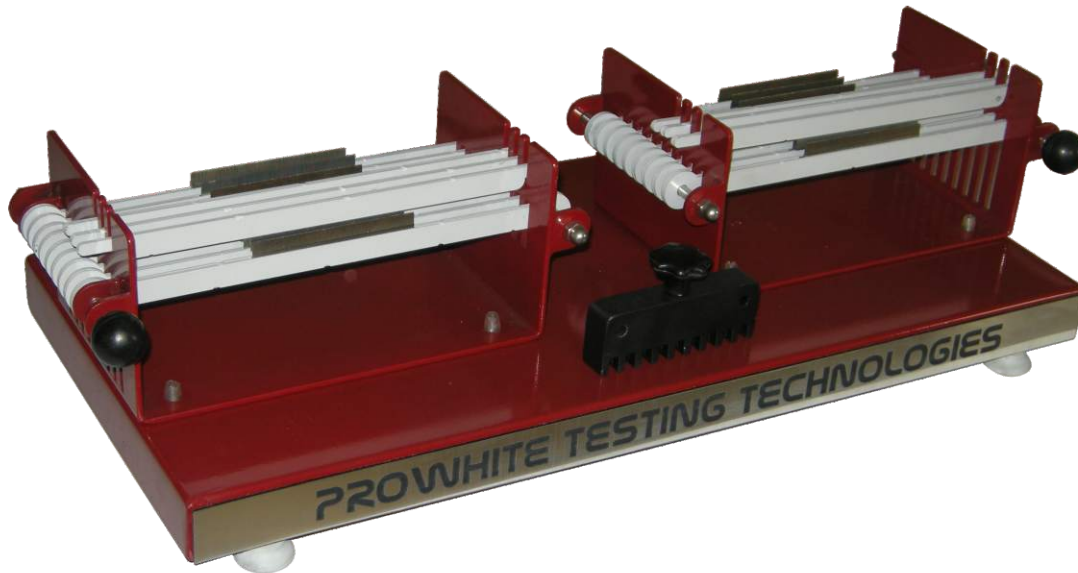
## NEP TOP TESTER

It makes the exact count of each remaining neps, seed, bark and other foreign remains of short staple fibers in every step of the operation of bending the bands from raw materials. It has a 3 cylinder traction system, an illuminated observation area and adjustable front and rear lightning.

10 pieces of 4-digit counter classifies foreign substances



## COMB SORTER



The device is used to analyse length and parameter of fiber with a comb sorter. Uninflected Combed slivers and slivers which passed preparation can be analysed

### Standards

ISO 920, BS 4044, ASTM D 1440/1575, IWTO 1-66

## MICRONAIR



This device is used to measure average diameter of wool with transferring straight air current inside wool bunch. Regular wool which has not medula layer can be analysed with that device. Especially It is suitable for combed slivers. In addition, greasy rovings can be analysed provided that if amount of greas is constant and calibrated

## Standards

ISO 1136, ISO 2403, BS 3181-1, ASTM D1448, ASTM D1282, IWTO 6, IWTO 28

## RAPID OIL EXTRACTION APPARATUS

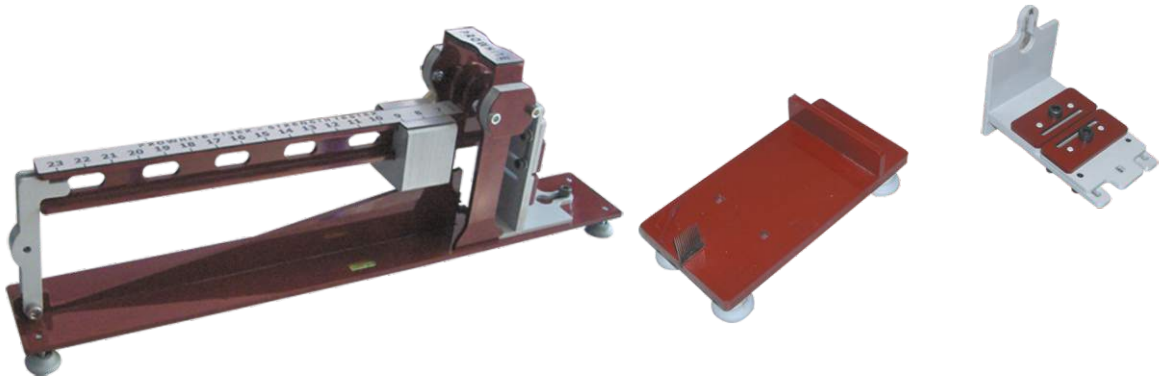


Rapid Oil Extraction Apparatus, to determine the oil or finish content of wool or synthetic samples by solvent percolation and evaporation within 15 minutes.

Temperature range is between 60°C-150°C, sample weight for each testing 2g

E-005

## FIBER BUNDLE STRENGTH TESTER



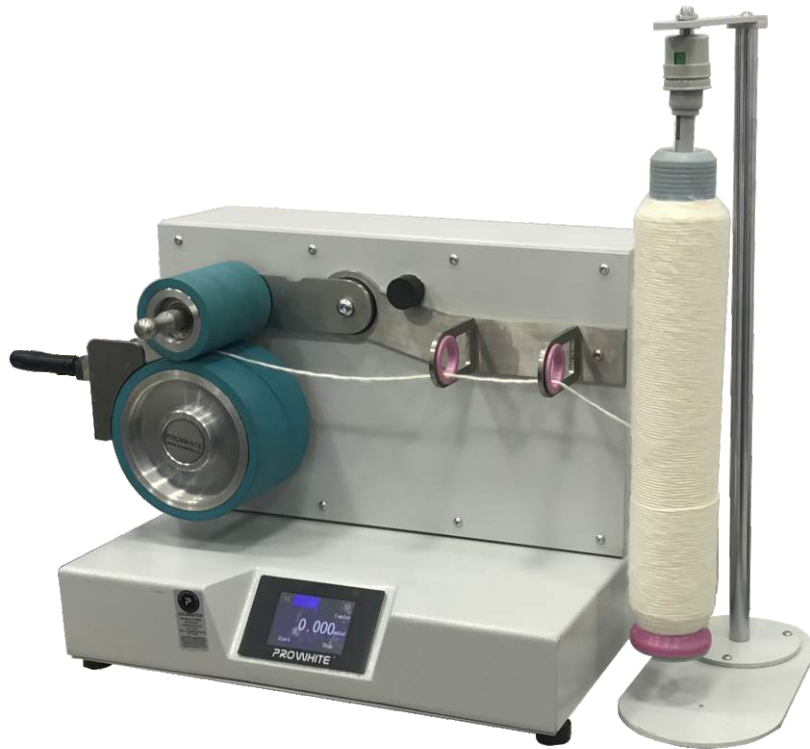
Fiber Testing Equipment

Device is used to analyse breaking off load, resistance of tensile and average of fiber breaking off load

Standards

ISO 3060, BS 5116, ASTM D 1445/2524

## ROVING REEL



It is used to determine the band length or top reape band samples of desired length. It has electronical controller and engine. The measurement precision of the device is 1 mm. Over the device, there's a digital speed controlling unit.

There are also different models with manuel controller and mechanical counter.

## COHESION METER



Instrument for the continuous measurement on slivers and rovings of fiber/fiber cohesion forces, to investigate the influence of finish preparations and crimps on the drafting of fibers and determine the spinning capabilities of the fibres.

For slivers and rovings 1-33 grams/meter

For fiberlengths of 38-250 mm

Setting of passage speed 1-60 m/min

Cohesionforce measurements 1-100 N

Determination of the specific cohesion length

Data processing on PC, statistical values and graphs

## MICROSCOPY CROSS SECTION KIT



According AATCC 20-2007 standards with mushroom and plate method, Microscopic cross section kit include all accesories and comsumables to prepare fiber cross section to use microscopic analyses

### Standards

AATCC 20-2007.

**some of our references**





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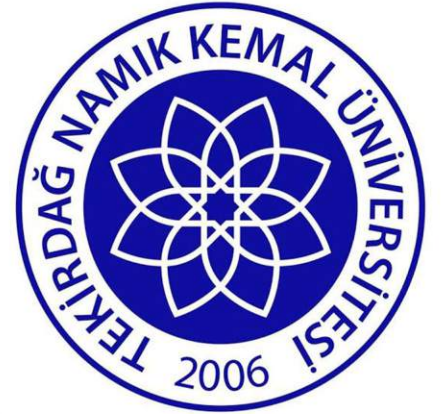
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Ikitelli O.S.B.Giyim Sanatkarlari San.Sit.  
2.Ada B Blok Kat:5 No:511 Basaksehir ISTANBUL TURKEY  
+90 212 671 02 58 pbx. info@prowhite.eu  
www.prowhite.eu