

PROWHITE[®]
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.





Washing & Dyeing Testing

VERTICAL PADDER



It is used for compression operations post dyeing and washing of the fabrics. It has cylinders of 350 mm or 500 mm wide located vertically. The cylinder hardness is 70 shores.

The fabric's passage speed can be set between 1 and 40 m/min. The compression pressure of the cylinders can be set between 2 and 6 bars. There's a balance adjustment system enabling equal pressure. It has squeezing safety locks between the rolls. It has a showering roll washing system.

Cloth wrapping apparatus and waiting station can be included as an option.

HORIZONTAL PADDER



It is used for compression operations post dyeing and washing of the fabrics. It has cylinders of 350 mm or 500 mm wide located horizontally. The cylinder hardness is 70 shore.

The fabric's passage speed can be set between 1 and 40 m/min. The compression pressure of the cylinders can be set between 2 and 6 bars. There's a balance adjustment system enabling equal pressure. It has squeezing safety locks between the rolls.

It has a showering roll washing system. Cloth wrapping apparatus and waiting station can be included as an option.

MINIDRYER/STENTER



It is used for drying and fixation after dyeing and washing the fabric samples. To fix the fabric samples, there are models with pins and adjustable frames.

The drying operation can be done at the desired time, temperature and airing speed. The sample is automatically released after the process.

Maximum temperature is 250 C° and the maximum sample size is 350 mm x 350 mm

MINIDRYER/STENTER AND STEAMER



It is used for drying and fixation after dyeing and washing the fabric samples. Saturated steam is applied on the fabric with internal generator (220 C°). Full interior of cabin is stainless steel. To fix the fabric samples, there are models with pins and adjustable frames. The drying operation can be done at the desired time, temperature and airing speed.

The sample is automatically released after the process.

Maximum temperature is 250 C° and the maximum sample size is 350 mm x 350 mm.

Y-005

BOBBIN DYEING MACHINE



Washing Dyeing Testing Equipment

Laboratory type pressurized (max. 3 bars) yarn bobbin dyeing machine. Capacity of dyeing 1–5 bobbins at the same time.

Max bobbin diameter is 220 mm; max bobbin length is 400 mm. It is available to work with 1/10 float range. Heat capacity up to 140 C°.

Heater and cooler speed can be adjusted.

It has a PLC controller and all works automatically.

Y-006

LABORATORY TYPE STEAMER



It is used for drying, steaming and fixing fabrics, fiber, yarn and similar products.

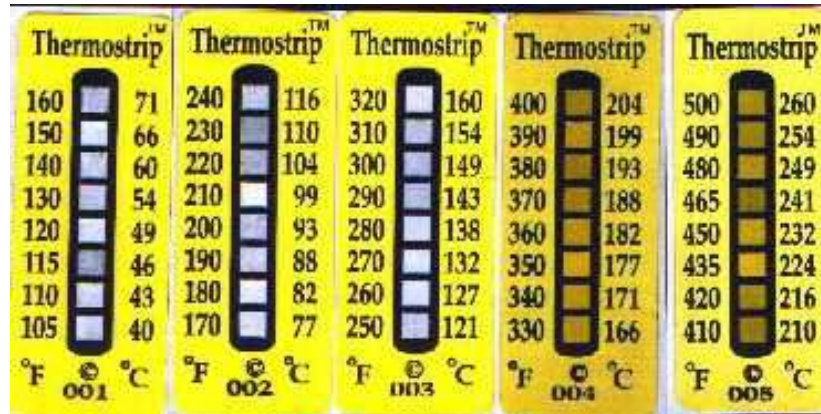
Saturated steam is given on the fabric with internal generator (220 C°). Interior cabin is made of stainless steel.

Frames with needles to stabilize sample are available.

Drying operation can be adjusted at the desired time, temperature and air speed.

Maximum temperature is 250 C°; maximum sample diameter is 350 mm x 350 mm.

TEMPERATURE INDICATING STRIPS



The stripes are stuck on a surface where heat determination is made according to the stripe turning from white to irreversible black. The stripes are of 10 different kinds according to heat gap.

It is easy to use for the determination of heat between 40–260°C.

It is easy to stick on the surface.

The other options is;

No 1: 40°C-71°C

No 2: 77°C-116°C

No 3: 121°C-160°C

No 4: 166°C-204°C

No 5: 210°C-260°C

Y-008

WASHING AND DRY CLEANING FASTNESS MACHINE



Washing Dyeing Testing Equipment

It is used for washing and dry cleaning fastness tests of dyed fabrics in laboratories.

with a microprocessor control unit, the test are carried out an increasing temperature of 2 °C /min to maximum of 98 °C

The rotational speed preferably is 40 ±2rpm)

The tube capacity can be chosen as 550 cc or 1200cc

The tube amount can vary from 4-6-8-12

Test methods are loaded on screen according to many different standards and new standard entry can be easily done

Standards

AATCC 61,86,132,190,GB 3921,5711,12490,ISO 105-C01,C05,D01,E12,E03,C09,C08,
C06,C04,C03,C02,C10,M&S C4A,P12A,P137,C49A,C37,C26,C11,C10A,P3B,C5,C12A,
NEXT 2,2A,3,3A,5

Y-009DW

GARMENT AND PRINTED FABRIC DURABILITY TESTER



Washing Dyeing Testing Equipment

The Durability Tester simulates the conditions necessary to meet leading chain stores standard garment and fabric durability tests.

The process control systems provide excellent accuracy and repeatability. The physical performance of the durability tester is compatible with that of the "Hoovermatic" Twin Tub and complies with the Marks and Spencer Fabric Durability (C15) and Print Durability (P5) methods of test.

USB connection data output is standard.

Standards

BS 7907, DIN 16792, M&S P5 M&S C15

Y-011

TUMBLER TYPE PIECE OF FABRIC DYEING MACHINE



Washing Dyeing Testing Equipment

It makes dyeing operations under atmospheric pressure.

Maximum machine capacity is 5 Kg

Maximum heat: 98 C°. Working pressure is 3 bar and flote range 1/10. Circulation pump is 2 bars.

Extension pot volume: 4lt. Speed of heating is 4 C°/ min. Cooling speed is 100 lt/hr. Maximum water expense is 75 lt/hr.

SAMPLE DYEING MACHINE



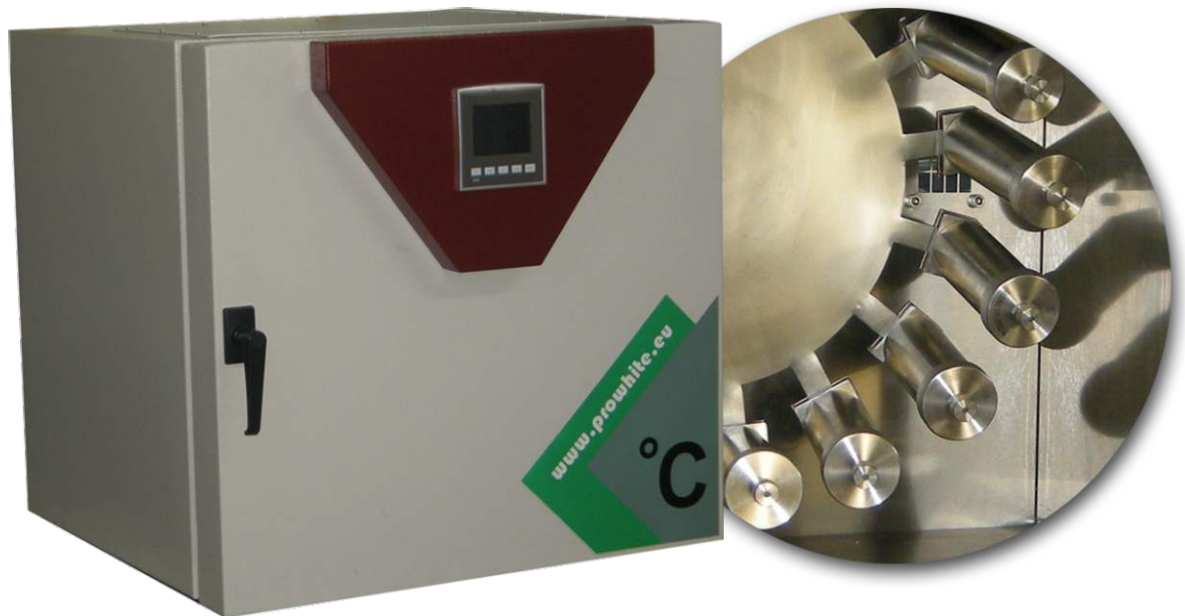
The sample dyeing machine is used in textile laboratories for sample dyeing. It is able to perform dyeing operations at a range between environment heat and 140 C°. The dye tubes complete the process in the bath tank, at the fluid (oil) environment, with the microprocessor controlling unit, at the desired temperature, time and setting values.

The machinery performing atmospherical and polyester dyeing offers ease to the user with its desktop usage. It includes temperature-time controlling computer. The controller has 999 different programs and each program has 99 steps.

The dyeing recipes are saved to the microprocessor's memory at once and whenever needed, it is run again by choosing the program number.

Accordingly the machinery operates its heating – cooling - alarm outputs to pursue the program steps and at the end of the program, warns the operator. Upon request, microprocessors with larger memories can be installed.

INFRARED SAMPLE DYEING MACHINE



The sample dyeing machine is used in textile laboratories for sample dyeing. It is able to perform dyeing operations at a range between environment heat and 140 C°. The dye tubes complete the process in the bath tank, at the fluid (oil) environment, with the microprocessor controlling unit, at the desired temperature, time and setting values.

The machinery performing atmospherical and polyester dyeing offers ease to the user with its desktop usage. It includes temperature-time controlling computer. The controller has 999 different programs and each program has 99 steps.

The dyeing recipes are saved to the microprocessor's memory at once and whenever needed, it is run again by choosing the program number.

Accordingly the machinery operates its heating – cooling - alarm outputs to pursue the program steps and at the end of the program, warns the operator.

Different models with 12-16-24 tubes are available.

Tube capacity can be selected as 200-300-500 cc.

Y-014

SHRINKAGE TESTER



Washing Dyeing Testing Equipment

Standart referans çamaşır makinesidir. Mikroişlemci kontrollü olup, tuş takımından isteğe göre, 999 adede kadar yıkama ve kurulama programı oluşturulabilir ve kaydedilebilir.

Programlar, ISO, BS ve IWS test standartları olarak düzenlenebilir. Ağırlıklar, boyut şablonları ve cetvelleri, referans deterjanlar, beyazlatıcılar ve yumuşatıcılar da emin edilebilir.

USB communication port is available as standard. Computer, printer and application program are available as an option

SENSITIVE DRUM DRYERS



Professional dryer which meets ISO6330 standard. Durable mechanical construction, designed for professional use. Dedicated drying programs for standard additional programs for normal bulk drying. Stainless steel front & stainless steel drum. Accurate control of exhaust air temperature. High heating power meaning quick drying.

- Large display and one control knob for easy program selection
- Language selection
- Service program for adjustment of parameters
- USB connection

Residual Moisture Control for an accurate drying result and a low energy consumption. Reversing drum for less tangling of large items. Reversible door hanging for a convenient laundry flow. Easy access to vital parts for simple servicing from the top and rear

BOBBIN DRYING OVEN



It is used for the drying and fixation of the yarn bobbins following the washing and dyeing process. A movable drying rack where the bobbins are placed is available. The drying operation can be set at the desired time and temperature. An alarm system warns the operator at the end of the heating process. The maximum heating capacity is 250 C°.

Y016-8: 8 Bobbin capacity drying oven.

Y016-40: 40 Bobbin capacity drying oven.

Y-017

SUSPENDERS DRYING OVEN



Washing Dyeing Testing Equipment

It is used for the drying and fixation after dyeing and washing the fabric samples. The drying operation can be done at the desired time and temperature.

The maximum temperature is 80 C°.

An alarm system warns the operator at the end of the heating process.

4 stainless steel hanger shelves of 600 mm x 450 mm are also included.

Optionally, pins and adjustable frames are available to hold the samples.

some of our references





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TAPIDOR

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