

### GT-D07 Colour Fastness Tester

This machine apply to test dyeing textile color fastness changing degree after washing, it not only do washing color fastness and also dry washing color fastness test.

#### Standards

ISO105-C01, C02, C03, C04, C05, C06, C08, C09, C10, D01, E03, E12,  
GB/T 5711, GB/T3921-1 to 5, GB/T12490;  
AATCC 3, 61, 62, 86, 132, 151, 190, JIS L0860,  
JIS L0844, JIS L0879; M&S C4A, C5, C37, P3B; BS 1006 NEXT 2,3,5,  
IWSTM 7,115,177,193, 240, 241; FTMS 191 Method 5610/5622



### GT-D15 High Temperature Dyeing Machine

This machine apply for dyeing and washing color fastness testing of dyeing knitted fabric, woven fabric, yarn, cotton, loose fibre, zipper, shoe material and other high-temperature hand sample & middle sample. Its high temperature dyeing machine design for dyeing, chemical, raw material, cloth industry, can simulate actual produce condition exactly, meeting requirement technology effect.



### GT-D16 Room Temperature Dyeing Machine

This machine is design for testing dyeing recipe's mixing, washing, blanching, fixation, dyeing & fastness and other technology of all kinds of natural fabrics, chemical & blended fabric, cotton fabrics and blended fabrics's under room temperature conditions. The test glass of this machine are flip vertical movement, uniformity dyeing, with good repeatability.



### GT-D18 Oscilation Dyeing Machine

This machine apply for all kinds of fabrics sample dyeing with normal temperature, washing, fastness test, etc. It can simulate actual produce condition exactly, meeting require effectively. The operation mode of this machine is oscilation style, can add salt, alkali and other aids while dyeing process.



### GT-D19 Laboratory Padder

Laboratory Padder is suitable as dyeing and finishing padding mangle. The pressure transmission can be applied by means of pneumatic cylinder. It's apply to pure cotton, T/C and other chemical fiber fabric.



### GT-D19B Laboratory Wringer/Padder

To evenly squeeze or extract excess liquid from fabric. Testing Principle: apply a certain load on the cylinder, open the machine and make the cylinder rotate, put the specimen between the two cylinder, the two cylinders drive the specimen and squeeze out the extra water.

#### Standards

ASTMD 394 230-220



### GT-D20 Laboratory Continuous Vat Dyeing Machine

This machine is used to samples dyeing of vat dyes, the samples enter the steam box quickly after padding, it can short the time of samples staying in the air and reduce the oxidization. fully reflect the true value of vat dyes.



### GT-D21A-1 Laboratory Stenter -Horizontal Type

It's apply in laboratory to simulate the process of dyeing in the workshop. Carrying through the resin melt dyeing baking test, and obtain and verify the recipe and technological conditions of dyeing materials and auxiliaries. Get the right finished product by testing the hand-feel, the discoloration degree and color fastness of specimen. And this machine can also use in hot fix color method and printing drying.



### **GT-D21A-2 Laboratory HT Steamer Stenter -Horizontal**

It's apply in laboratory to simulate the process of dyeing in the workshop. Carrying through the resin melt dyeing baking test, and obtain and verify the recipe and technological conditions of dyeing materials and auxiliaries. Get the right finished product by testing the hand-feel, the discoloration degree and color fastness of specimen. And this machine can also use in hot fix color method and printing drying.

This machine also can be use to steam at the steaming process of printing factory with the steam generator, in addition to drying, shaping, baking, melt-reinforcing (temperature RT ~ 250 °C) functions.



### **GT-D21B-1 Laboratory Stenter -Vertical Type**

It's apply in laboratory to simulate the process of dyeing in the workshop. Carrying through the resin melt dyeing baking test, and obtain and verify the recipe and technological conditions of dyeing materials and auxiliaries. Get the right finished product by testing the hand-feel, the discoloration degree and color fastness of specimen. And this machine can also use in hot fix color method and printing drying.



### **GT-D21B-2 Laboratory HT Steamer Stenter -Vertical Type**

It apply to test steaming fixation, sizing drying of printed fabric and other fabrics, with steaming, sizing, drying these three function.



### **GT-D21C Laboratory Continuous Stenter**

It's apply in laboratory to simulate the process of dyeing in the workshop. Carrying through the resin melt dyeing baking test, and obtain and verify the recipe and technological conditions of dyeing materials and auxiliaries. Get the right finished product by testing the hand-feel, the discoloration degree and color fastness of specimen. The specimen was pass into and come out by the transmission of the continuous needle plate chain and the temperature can be set freely. So the specimen doesn't need to be ironed or dyed in the traditional oven. With these design, the machine can highly improve the testing speed and efficiency.



### GT-D22 Infrared Laboratory Dyeing Machine

This machine is oil bath type infrared laboratory dyeing machine, it combine the advantages of traditional glycerol dyeing machine with common infrared dyeing machine together. It's apply to dyeing and testing the color fastness of the knitted fabric, woven fabric, yarn, cotton, loose fiber, zipper etc. It was special design for dyeing industry, chemical industry, raw material, cloth which can simulate the production conditions exactly and reach the process effect.



### GT-D24 Calendering Machine

This machine is used in dyeing and finishing process in laboratory. The machine is mainly used help to adjust the formula of fabric and auxiliaries. It can be applied to the calendering process of pure cotton, polyester cotton, silk fabrics, chemical fiber, fiber, wool spinning and other combination fabric, as well as roll compacting process of building materials, plastic packaging materials and paper products.



### GT-D25 Printing Prototype Machine

This machine is universal equipment in Printing and dyeing laboratory. It can be used in printing strike off process and dye color matching process of natural fiber, synthetic fiber and other blended fabrics.



### GT-D26 Lab Winch Dyeing Machine

It is designed for laboratory use of dyeing, boiling off, bleach and washing, etc., processing for all kinds of expensive natural fabric, and knitting fabric or woven fabric under normal temperature & normal pressure, and also for the application of dyeing and processing for rayon, polyacry-nitrile fiber, and blended fabric under normal temperature & normal pressure.



### **GT-D28 Rotary Tumble Dryer**

To dry the fabric, clothing and other textile after their shrinkage experiment.

#### **Standards**

EN ISO 6330, GB/T8629



### **GT-D28-2 Shrinkage Testing Oven**

Used for the flat drying of fabric, clothing and other textiles after shrinkage test.

#### **Standards**

GB/T8629, IWSTM31, ISO6330, ISO5077, GB/T11051, FZ/T70009



### **GT-D40 Lab Bobbin Yarn Dyeing Machine**

This machine is special used for dyeing cotton ,yarn, polyester yarn, wool yarn ,etc. with high temperature and high pressures.

