FAV Group of Companies

Dyeing and Finishing











2025

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ACCDYER-18/24 Lab Dyeing Machine



Application

To produces more accurate lab sample dyeing with level and re-producible results with a low liquor ratio for diverse fibers.

Key Specification

Beaker Qty.	18/24
Beaker Capacity	300ml
Heating Method	Electric heating, oil conduction
Temp. Range	RT~135°C
Rotating Speed	0~50rpm
Dyeing Process	100 programs
	100 steps per program

RHS Series Infrared Sample Dyeing Machine



RHS-24

Application

Sample dyeing machine with IR heating technology producing accurate sample dyeing and reproducible results.

Key Specification

Model No.	RHS-12/RHS-24
Beaker Qty.	12/24
Beaker Capacity	300ml
Heating Method	IR heating, oil conduction
Temp. Range	RT~135°C
Rotating Speed	0~50rpm
Dyeing Process	100 programs
	100 steps per program

HS Series High Temp. Dyeing Machine

Application

It's a universal laboratory dyeing apparatus for formulation of production recipes, applicable to dye knitted fabric, woven fabric, yarn, loose fibers, etc.



Key Specification

Model No.	HS-12A/B	HS-24A/B
Beaker Qty.	12	24
Beaker Capacity	250ml/450ml	250ml/450ml
Temp. Range	RT~135°C	
Rotating Speed	42rpm	

AS Series Water Bath Shaker

Application

It's a normal temperature oscillation type small size dyeing machine, used for simulating the dyeing in actual production process.



AS-24

Key Specification

Model No.	AS-12	AS-24
Flask Qty.	12×250ml	24×250ml
Temp. Range	RT~99°C	
Oscillating Speed	0~160 times/min	
Dyeing Process	10 programs 10 steps per program	
Amplitude	(38±2)mm	

ACCDYER-12L/23L Textile

Medium-batch Dyeing Machine



ACCDYER-12L

Application

It's an electromagnetic heating dyeing machine with unique design of simultaneously moving fabric and dye liquor to realize sufficient permeability of dye liquor to fabrics and achieves uniform coloring in the tension-free environment.

Key Specification

Model No.	ACCDYER-12L/23L
Vat Capacity	12L/23L
Fabric Weight	50g~1kg/50g~3kg
Min. Bath Ratio	1:4
Temp. Range	RT~135°C
Max. Heating Rate	3°C/min
Cooling	Air-cooling, Max. 3°C/min when temp. > 80°C



WE-1 Lab Winch Dyeing Machine

Application

For laboratory use of dyeing, boiling off, bleach and washing, etc.

Key Specification

Dye Tank Volume	0.385m^3
Capacity	9kg
Bath Ratio	1:10 ~ 1:18
Roller Speed	35r/min
Lifting Speed	Approx. 30m/min
Temp. Range	≤98℃

QR630 Series High Temperature Jet Dyeing Machine

Application

To dye fabrics on conditions of high temperature and jet dyeing.

Key Specification

Model No.	Capacity
QR630-1	1~2kg
QR630-5	4~6kg
QR630-15	8~15kg
QR630-30	20~30kg
QR630-60	40~60kg
QR630-120	80~120kg



QR630-5

JR350/500 Atmospheric Laboratory Jigger Dyeing Machine

Application

To achieve the low liquor ratio bleaching and dyeing, and really simulate the production jigger dyeing machines.

Key Specification

Model No.	JR350	JR500
Roller Length	595mm	540mm
Effective Fabric Width	500mm	500mm
Max. Batch Diameter	200mm	200mm
Max. Temp.	98°C	98°C



JR350



JR2000 High Temperature Jigger Dyeing Machine

Key Specification

Roller width	2000mm
Effective Fabric Width	1800mm
Max. Batch Diameter	300mm
Max. Temp.	135℃



DW202B-3



DW241B-3

DW202B/241B Series Bobbin Yarn Dyeing Machine

Application

It is specially-designed dyeing machine used to dye bobbin yarn under high temperature and high pressure. It's suitable for cotton, polyester, wool yarn, etc.

Key Specification

Capacity (kg)	1/3/5/12/25/35/56/108/162/216
Working Pressure	≤0.4MPa
Working Temp.	≤135ºC

DW242 Series Hank Yarn Jet Dyeing Machine



DW242-5

Application

For dyeing twisted exposed silk, single fine yarns, man-made silk, silky cotton silk, pure silk, fine wool and so on.

Key Specification

Capacity	5~7kg or more
Max. Working Temp.	95°C

DW242HT Series High Temperature and High Pressure Hank Yarn Jet Dyeing Machine



W242HT-5

Application

For bleaching, refining, dyeing, washing and post-treatment of hank yarns, such as polyester yarn, embroidery thread, real silk and nylon in state of reeled yarn.

Key Specification

Capacity	3~10kg or more
Max. Working Temp.	135°C
Max. Working Pressure	0.4MPa

QRTC Series Centrifugal Water Extractor



QRTC-3

Application

To dehydrate bobbin yarn after dyeing.

Key Specification

Capacity	3kg or more
Rotating Speed	650~800rpm



MF Series Bobbin Yarn Drying Machine

Application

To dry bobbin yarn after dyeing and dehydrating.

Key Specification

Capacity	3kg or more
Max. Working Temp.	110°C
Air Pressure	0.15MPa

WYS250 Wool Yarn Steamer



Application

To shape the cone yarn, that is, stabilize the twist under a certain pressure and temperature, and obtain a balanced non-twisted thread, which is convenient for the processing of the subsequent procedures and improves the product quality.

Key Specification

Heating Mode	Electric heating
Capacity	2.5kg



GSD Series Leather Multi-drum Dyeing Machine

Application

Suitable for the wet operation on each working procedure of the tanning techniques such as the preparation, bating and dyeing, etc. and in particular, for the exploration and determination of the technical plan of the leather working.

Key Specification

Model No.	GSD-350	GSD-400	GSD-401
Drum Size	Φ350×150	Φ400×150	Φ400×200
Drum Number	2, 4, 6-tandem drums are selectable		
Load Capacity	1kg	1.3kg	1.6kg
Drum Speed	0-35rmp (stepless adjustable)		
Temp. Range	RT~85℃±1℃		

XPG Series Industrial Washing Machine

Key Specification

Model No.	Max. Capacity (kg)	Drum Size (mm)	Speed (r/min)
XPG-15(T)	15	Φ550×600	35
XPG-20(T)	20	Φ550×700	35
XPG-30(T)	30	Φ700×800	33
XPG-50(T)	50	Φ800×1000	33
XPG-70(T)	70	Φ950×1220	33
XPG-100(T)	100	Φ950×1420	33
XPG-150(T)	150	Φ1080×1600	31



FY748 Laboratory Hot Air Dryer

Application

For drying sample after lab dyeing test.

Key Specification

Temp. Range	RT~99°C
Temp. Accuracy	±1°C
Display Method	Digital tube display
Drying Method	Forced hot air convection







Solution maker



DWD-140 Straight Tube-free Dispensing System

Application

It's a new integrated system for the preparation of the dyes solutions, dosing of recipes, formula management and possible integration with color matching system.

Key Specification

Name	Dosing machine	Solution maker	Mixer
Position	140 position	/	8 position
Bottle Volume	1000ml	/	1000ml
Accuracy	±0.02g	±0.02g/±0.002g	/
Speed	30bottles/30~40min	/	/



DW2010



DW2010 Series Lab Wringer/Padder

Application

To evenly squeeze or extract excess liquid from fabrics.

Key Specification

Model No.	DW2010	DW2010A
Roller Size	Φ25mm×80mm	Φ54mm×300mm
Drive Method	Manual	Electric, 25mm/s
Loading Method	Manual	Adding weights



MU505A



MU505B

MU505 Series Pneumatic Heavy Duty Padder

Application

Dyeing and finishing padding mangle. The pressure is applied by two air cylinders.

Key Specification

Model No.	MU505A	MU505B
Type	Vertical	Horizontal
Roller Width	400mm	
Roller Diameter	Φ130mm	
Max. Pressure	0.5MPa	
Speed	0~10m/min	



EL-A



EL-B

EL Series Pneumatic Heavy Duty Padder

Application

Dyeing and finishing padding mangle. The pressure is applied by two air cylinders.

Key Specification

Model No.	EL-A	EL-B
Type	Vertical	Horizontal
Roller Width	420mm	
Roller Diameter	Φ130mm	
Max. Pressure	0.5MPa	
Speed	0~6.5m/min	



LD3642



HLD-3642

LD3642/HLD-3642 Laboratory Stenter Machine

Application

It is suitable for drying, fixing, and curing fabric samples after lab dyeing, coating or impregnating with steam.

Key Specification

Model No.	LD3642	HLD-3642
Temp. Range	RT~250°C	
Heating	Electric	Electric and steam
Pin-frame Size	340×400mm	340×400mm

CS-3642 Continuous Stenter

Application

It's a laboratory apparatus mainly used to imitate performances of large hot-air stenter in plants, with the design of comprehensive heat insulation.



Key Specification

Sample Width	160~330mm
Speed Range	0~6m/min, adjustable
Temp. Range	RT~250°C
Temp. Controller	2pcs, accuracy: ±1°C
Drying Time	20~360s



HLD-3643 Pad-Steam Range

Application

Suitable for rolling, dyeing, sizing and steaming and fixing test and production of joint dyeing engineering.

Key Specification

Fabric speed	0.2-6m/min
Press roller	Type: horizontal Material: nitrile rubber Width: 300mm Hardness: 70° Shore
Liquid trough capacity	500ml
Fabric in chamber	6 meter, 20~120second to pass, frequency control
Dwell time	20~120s
Compressed air	0.4-0.7Mpa



PT-J300 Pad-Thermosol Range

Application

To produce the dye formula in the laboratory for the pad dyeing plant, the highest reproducibility is achieved by using the same dyeing process as production machine.

Key Specification

Roller Size	Φ126×300mm
Roller Pressure	0.1~0.5Mpa
Liquid Trough Capacity	150ml
Preheat Chamber Temp.	20~150°C
Drying Chamber Temp.	20~240°C

B-400 Laboratory Calender



Application

It's used in laboratory to help adjust the formula of fabric and auxiliaries for calendaring process of cotton, chemical fiber, silk, hemp, wool and blended fabric.

Key Specification

Roll Size	Upper/Lower: Φ150×400mm
Speed	0~6m/min, frequency control
Pressure	Max. linear pressure 5T, applied by oil pressure
Temp.	Max. 180°C, electrical heating

DLZ1200 Low temperature plasma surface processor



Application

Through low temperature plasma surface treatment, a variety of physical and chemical changes occur on the surface of the material, such as etched and rough, or form a compact cross-linked layer, or introduce oxygen-containing polar groups, so that the surface of the material is clean and activated, and the hydrophilicity, cohesiveness, dyeability, biocompatibility and electrical properties of the material surface are improved.

Key Specification

Spray Gun Type	Rotary gun
Working Air Pressure	0.1MPa ~ 0.3MPa
Spray Gun Distance	5~15mm
Output Power	300W~1,200W

MU564 Lab Printing Table



Application

It's magnetic printing machine used for the printing technique experiment in lab.

Key Specification

Printing Area	450×350mm
Screen Frame Size	720×480mm
Magnetic Stick	Φ8/12/16/20/350mm
Magnetic Force	Grade 1~10
Speed	0.6~6m/min, adjustable

DW0705 Heat Transfer Printing Machine



Application

It's a machine that presses the transfer onto a printable substrate through high temperature and high pressure.

Key Specification

Temp. Range	RT~218°C
Time Range	0~999s
Heating Plate Area	400×500mm
Display	LCD touch screen

DW0707 Flatbed Textile Printer



Application

It's can print on T-shirt, polo shirt, cotton bag, cotton pillow cover, sweat shirt, etc.

Key Specification

Print Head	One Epson DX7 head
Max. Print Size	260×350mm
Max. Print Height	180mm
Ink Supply	Built-in supply system
Ink Color	2×CMYK or CMYK + W
Ink Type	Water based textile ink

TM1000 Motorized Coating Machine



Application

Suitable for coating samples of coatings, inks, paints, slurries, lithium batteries, pressure-sensitive adhesives, polymer materials, etc.

Key Specification

Coating Method	Spiral film applicator coating & blade applicator coating
Coating Speed	1~300mm/s stepless adjustable (can be customized)
Coating Platform Area	300mm×600mm
Coating Area	300mm×400mm (can be customized)

GM300 Continuous Coating Machine



Application

Used to coat fabrics, plastic films and speciality paper.

Key Specification

Width	350 mm, maximum width of the test object is 300 mm
Speed	0~5 m/min, adjustable
Coating Thickness	0~3.5 mm
Coating Resolution	0.001 mm
Blade Type	60° straight blade
Blade Length	340 mm
Temp.	RT ~ 99°C

MU572C Lab Coating Table



Application

It's coating equipment for lab use, suitable for all sorts of natural fiber, synthetic fiber blended fabric, nonwoven fabric, specialty paper and artificial leather.

Key Specification

Tension Frame Size	365×440mm
Coating Size	285×300mm
Coating Thickness	0~5mm, ± 0.01mm
Coating Front Angle	20°~115°
Blade Specification	300×60mm
Roller Specification	Φ40×300mm
Optional Dryer	MU547 Mini Dryer

MU547 Mini Dryer



Application

For setting and drying of coated fabric samples.

Key Specification

Temp.Range	RT~150°C
Heating Power	2KW ×2pcs