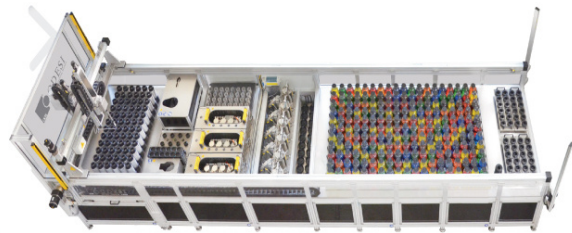




M.B. TRADE CORPORATION

Deals in Textile Machinery's Testing Equipment



20 Years of Trust, Growth, and Excellence

www.mbtradebd.com



M.B. TRADE CORPORATION

Company Profile

Greetings..!

M.B. Trade Corporation was founded in 2003 and officially registered in 2006. Under the leadership of a young professional with practical experience in sales and after-sales services for textile machinery, dye house automatic dispensing systems, sewing thread projects, washing projects, total laboratory solutions, spinning testing instruments, spare parts, and more, the company has grown steadily. Over the years, this experience has attracted numerous companies worldwide, forming an energetic team of young professionals and establishing the company as a leading sales and marketing firm for capital products. Guided by experienced leadership, the company continues to promote its range of products across all sectors of the textile industry, driving consistent growth.

OUR MISSION....

To make listed the company "most valuable" in this trade.

OUR VISION....

Let the world join in our journey of growth .

Product Range....

Turkey

ODESI - Automatic Dispensing System
SAVER - Fabric Dyeing & Silitating Machine

Sweden

Electrolux Professional - Washer Dryer and Spares Parts

Italy

CO.FO.ME.GRA SRL - Light Fastness Tester
API SRL - Advanced Pneumatic
ETV SRL - Humidity & temperature monitoring

Ireland

AdLab - Total Laboratory Testing Solution

UK

SellQlock Europe - Textile Testing instruments
SDC Enterprise - Testing Consumable Item
Testometric - Material Testing Instruments
VeriVide - Color Matching cabinet & Lamp

Switzerland

Mettler Toledo - pH Meter & Analytical Instruments

USA

Testfabric Inc- Textile Consumable Item
Whirlpool - Washer & Dryer
X-Rite - Leader in Color Management Systems
Rainin - Pipetting Solution

China

Tecco - Seamless Garments, Washing & Dyeing Machine
PDM - Yarn Dyeing Machineries
Shanghai Lijing - Industrial Garments Washing & Dryer Machine
Sunwin - Fabric Stenter Machine
Kingrise - Felt & Rubber Compacting Machine
Honjjing - Laboratory Dyeing & Finishing Machineries
Labtex - AATCC Washer & Dryer Machine

India

AdLab - Fiber & Yarn Testing Instruments
Microtex Corporation - Supplier of Textile Instruments & Machinery Spare Parts

Germany

Hans Schmidt & Co GmbH - Controls Instruments
Just Normlicht GmbH - Color Matching Cabinet and Lamp
KPM Aquaboy - Moisture Meter
Lovibond - Analytical Lab Instruments & ETP Testing Instruments

HT UNICO Fabric Dyeing Machine



Technical Information

- All metal parts of the machine are made of stainless steel materials in acid-resistant (EN 10028-7) standard and AISI 316L quality.
- The stainless plate materials of the machine are of European origin and certified.
- 1 Gear-type cover for loading and unloading goods in each compartment; locking safety device with a pneumatic piston and sight glass with stainless metal grill protection included.
- Illumination and washing system inside the body
- Personnel Entry Cover located on the side of the machine.
- Vacuum-preventer disco check valve in body discharge, pressure switch, safety valve, pressure transmitters.
- Pneumatic on/off breathing and pre-discharge valve.
- Water intake valve of the machine.

HT SOLITO Fabric Dyeing Machine

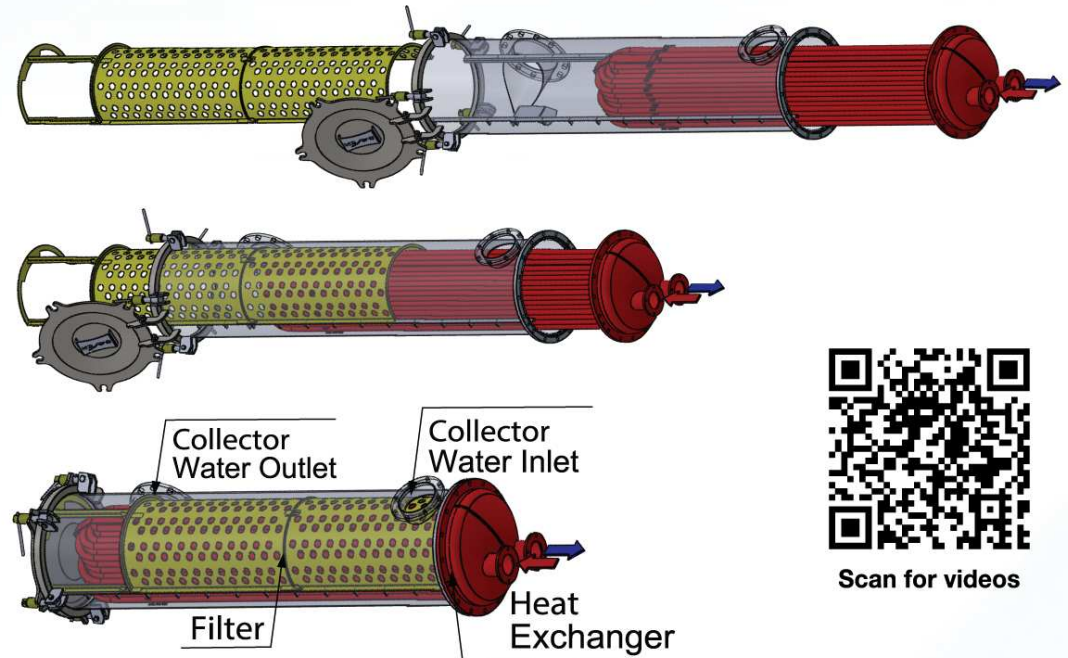
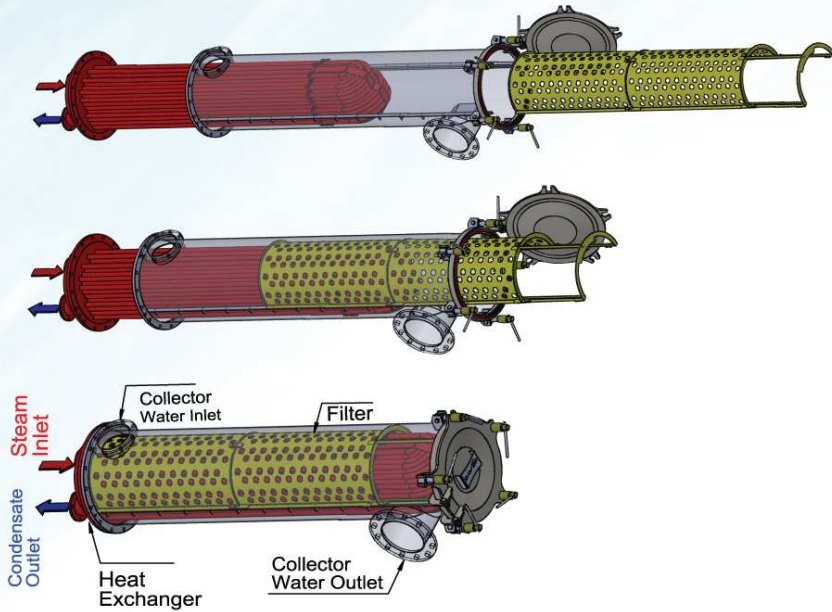


Technical Information

- Main Circulation Pump with Belt-Pulley power transfer, operating at (1/1) liquor ratio.
- Nozzle System adjusted with a variable-speed Linear Actuator
- J-Box System prevents mixing even on very light fabrics
- Horizontal Type Filter with High Filtration Area
- 100% Hot Water Preparation Tank (flotte: 1/4)
- Elliptic Fabric Tube expanding fabric at the outlet of Nozzle
- Minimum Fabric Tension with the Long Tower Transfer system.
- Continuous Fabric Flow due to Teflon Film lining the floor of the J-Box
- Large Diameter Front Lid and Combined Safety System
- Seamless fabric transfer due to heavy-duty structure.
- Dye and Chemical tanks with Mixers & Direct and Indirect Heating
- Batch Transfer with minimal loss

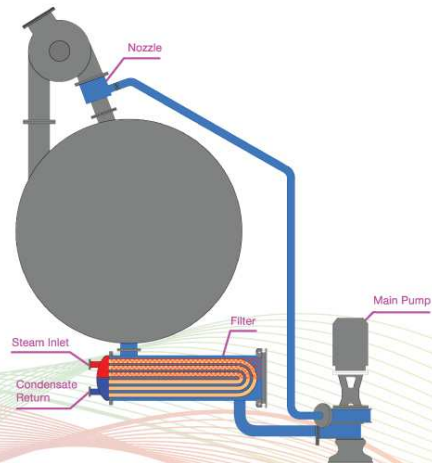


HT Unico Fabric Dyeing Machine Bottom Collector Details



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Diagram Showing Less Water and Steam Consumption of HT Unico Fabric Dyeing Machine Compared to Conventional Machines

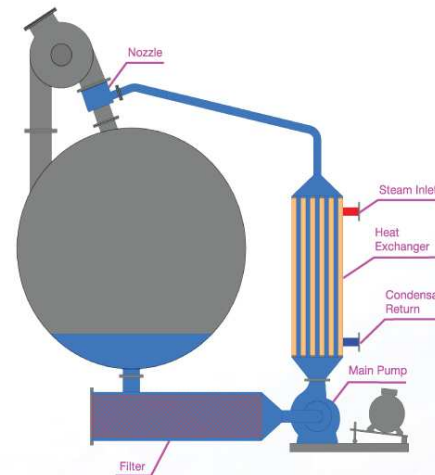


HT Unico

Conventional fabric dyeing machines can lose up to 40% heat energy from inefficient heat exchangers. Utilizing an intelligent patented heat-recycling design, Saver Makina's heat exchanger suffers NO heat loss, resulting in a supremely efficient system which reduces steam usage by approximately 50%. This is accomplished by using steam-bearing pipes submerged in water to absorb and conserve heat, unlike the converse standard design.

In most conventional machines, heat exchangers are located in the back of each machine. With a centrally-located heat exchanger on the underside of Saver Makina's fabric-dyeing machine, water circulated through the machine has ZERO main pump output resistance AND less distance to travel, allowing for a water pump not only smaller in size and energy consumption, but also benefiting from stronger water pressure available at the nozzle.

The economical combination of the filter system and heat exchanger in Saver's machines helps reduce the volumetric ratio of the pathway the water must travel, thereby optimizing efficiency. To put it simply, the water has less volume to fill in its cycle, unlike the excess volume caused by a separate filter and heat exchanger in conventional machines, and therefore requires less energy to travel the same distance. This is due to the heat exchanger acting as a float or pontoon, displacing otherwise wasted space.



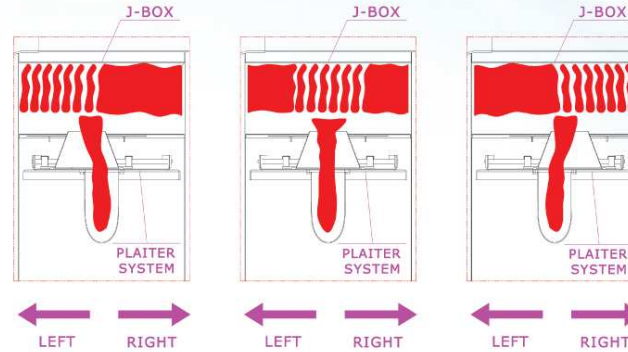
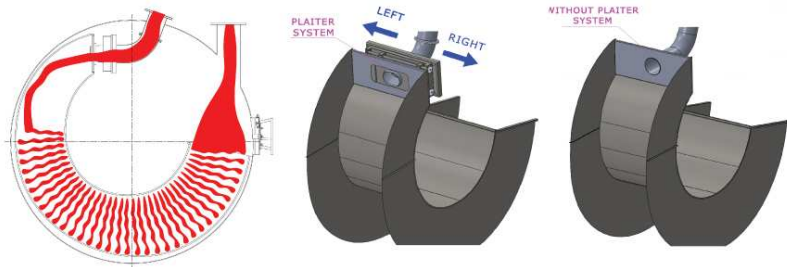
Conventional Machine

Standard fabric dyeing machine heat exchangers can take an entire day to be repaired or replaced when damaged. This can cause additional expense due to wasted time during inactivity. As a result of intelligent design, the structure and placement of Saver Makina's heat exchanger unit allows it to be repaired within an estimated 2 hours if damaged. This saves an enormous amount of time and money for the buyer

Saver Makina's vertical water pumps have many advantages over the standard horizontal pumps used by many competitors. Firstly, they require less water to function and reduce the machine's liquor ratio. Also, vertical pumps demand far less space AND are much easier and cheaper to maintain due to their construction. Furthermore, but their coupling system requires less energy to operate.

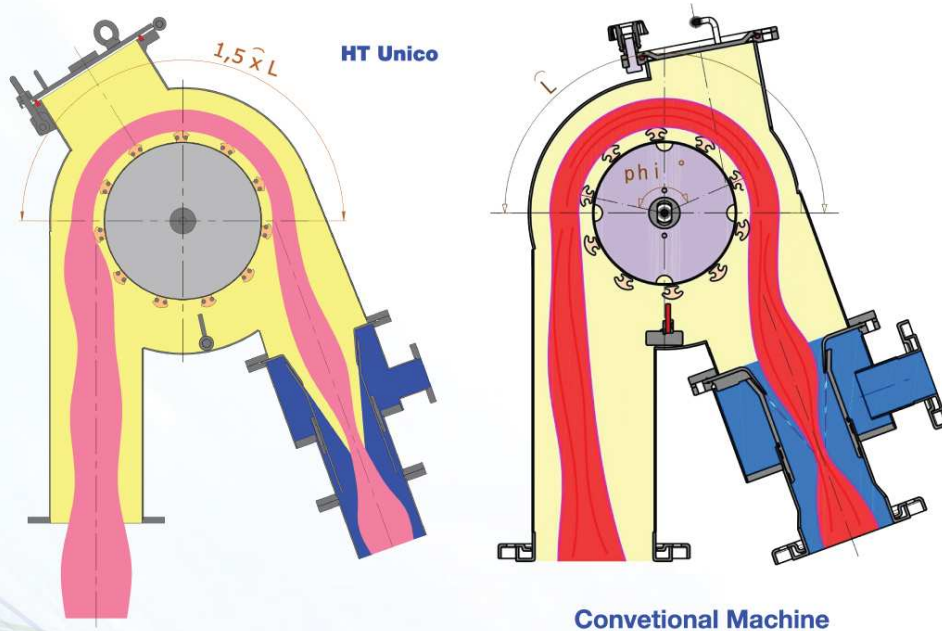
Conventional machines generally use cylindrical filtration systems requiring additional space in the machine. Saver Makina's filtration system is designed in a half-cylindrical shape which fits compactly along with the heat exchanger in a single unit. This half-cylinder design not only saves physical space, but allows the filtration system to be easily removed, allowing for a quick and simple cleaning procedure of the unit.

Schematic Working Principle of HT Unico Fabric Dyeing Machine's Plaiter System and Its Difference from Conventional Machines

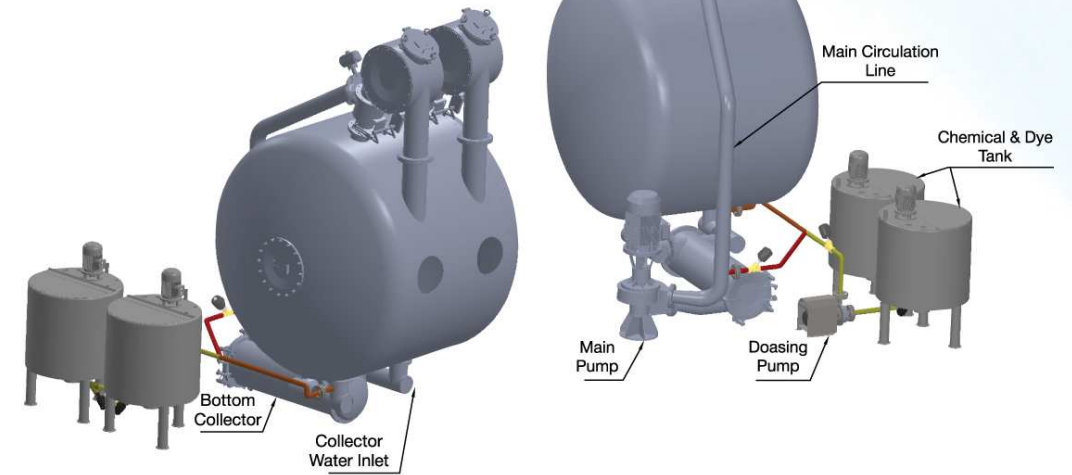


Saver Makina exclusively offers an optional left to right plaiter system. This system allows the machine extremely accurate fabric stacking into the J-box, which ensures the fabric is distributed perfectly to the nozzle with no deformation or tangling. This design is available for even the 150kg machines utilizing low gsm fabrics.

Difference Between HT Unico Fabric Dyeing Machine's Tower Design and Other Conventional Machine Designs



HT Unico Fabric Dyeing Machine Dosing System



Mainstream fabric dyeing machines generally employ a direct chemical distribution process.

This means that the chemicals and dyes are added directly to the machine, which can cause mishaps such as an uneven dye process or other visible problems. Saver Makina utilizes a patented Diluted Dosage System feature, which mixes solutions from the chemical tank with water from the main pump's output port BEFORE adding the chemicals to the machine.

This allows the chemical solution a much gentler introduction to the fabric, which eliminates issues caused by chemical inconsistencies.

As opposed to conventional machines, Saver Makina's fabric dyeing machine possesses an increased drum diameter, which holds the fabric more securely, thereby providing a more efficient fabric feed through the machine by avoiding spinning inside the fabric or slippage at high speeds. This special feature avoids physical deformation of the fabric due to friction, leading to more productive output and no waste.

LABORATORY DISPENSING SYSTEM

FULLY AUTO LABORATORY DISPENSING SYSTEM

First step of having the right color at the bulk production, is successful sample dyeing in the laboratory. The wrong dyeing on a 5 grams of sample can cost several tons of wrong production. This is why the laboratory samples are maybe more important than anything in a dyehouse.

ODS LAB system, gives very high Lab To Bulk Reproducibility by eliminating the possible errors can happen in a laboratory.

ODS LAB.AUTO system, is an upgraded Automation System which can automatically prepare solutions, automatically dye the samples/products and can run when no one is around at night or at the weekend. System needs very few operators.

From now on, all dyeing operation in the Laboratory is FULLY ATOMATIC.

smart dyeing



LAB.DIP SAMPLE WEIGHING

Lab.Dip samples are being weighed by the system and the recipes are prepared according to sample weight.

- Time saving on sample preparation
- No Need of exact sample weight
- Eliminates errors from sample weight differences



LABORATORY DISPENSING SYSTEM

SEMI AUTO SOLUTION PREPARATION

Total water required for the dyestuff is calculated automatically and dispensed by the system. Lower %C solutions are prepared from the mother solution.

- No need of dyestuff weighing
- Hot or Cold water inlet
- 6 mixers for dissolving
- Dilution from the mother solution



TECHNICAL SPECIFICATIONS

DISPENSING SYSTEM: (ODS LAB)	
Models:	80-120-160 280-320 bottles
Dosing station:	36-48 pots at a time
Accuracy:	± 0.003 ml
Speed:	100 recipe/hour (Dye, Chem, Salt, Soda, Water) 1500 recipe / day
Min/Max dispensing:	0,2 – 55 ml
Calibration:	Automatic
Water Inlet:	1 cold, Inbuild hot water preparation unit
Lab.Dip Sample balance:	YES
Safety light curtain:	YES
Motion control system:	%100 SERVO CONTROL
Solution mixing:	6/9 bottles

POWDER DYESTUFF UNIT: (ODS LAB.POWDER)	
No of Dyes:	14 – 28 – 98 – 112
Powder capacity:	500 cc
Dosing Accuracy:	± 0.002 grs
Dosing control:	SERVO
Powder stock control:	YES

AUTO SOLUTION PREPARATION UNIT:	
Premixing with hot water:	YES
Water filling:	Spray nozzle
Water accuracy:	0,02 ml
Preset working time:	YES
Diluted solution prep.:	From mother solution

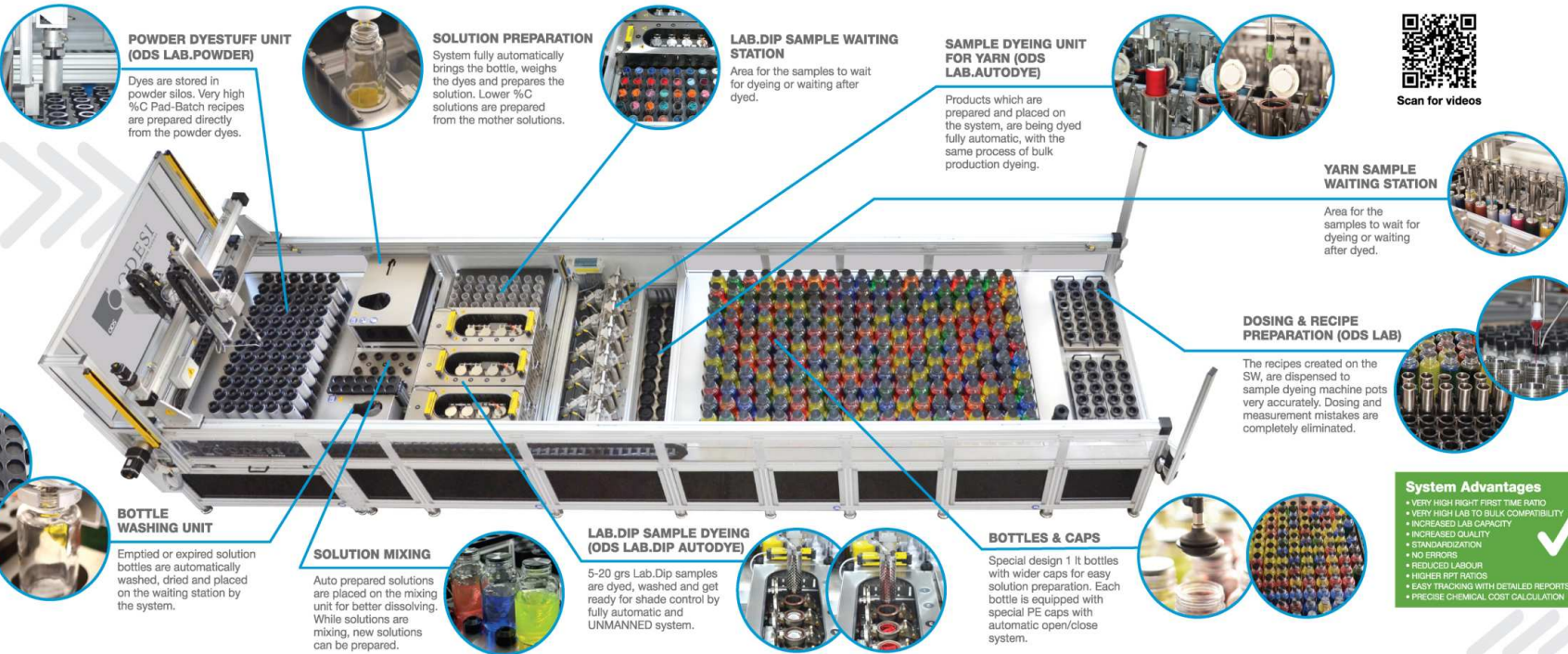
BOTTLE WASHING UNIT:	
Bottle holding:	Pneumatic gripper
Washing / Drying:	Hot/Cold High pressure nozzle

SAMPLE DYEING UNIT FOR YARN: (ODS LAB.AUTODYE)	
Dyeing machines:	6 – 12 – 18 – 24
Sample Waiting Station:	24 – 48 – 72 – 96
Dyeing Capacity:	50 – 500 grs
L/R:	min 1/5
Max temperature:	135°C
Heating:	Coil (0,5 – 4 °C/min)
Cooling:	Water (max 10 °C/min)
Machine lid:	Automatic
Sample load/unload:	Automatic
Pump speed:	Adjustable
Quick Drain:	YES
No of program:	Unlimited
No of program steps:	Unlimited
Job tracking:	YES
UNMANNED WORKING:	YES

LAB.DIP SAMPLE DYEING UNIT: (ODS LAB.DIP AUTODYE)	
Dyeing Machines:	12 – 24 – 36 – 48
Individual working:	YES
Sample Waiting Station:	50 – 100 – 150 – 200
Dyeing Capacity:	5 – 20 gr
L/R:	min 1/5
Max temperature:	135°C
Heating:	Coil (0,5 – 4°C/min)
Cooling:	Air/Water (max 5°C/m)
Machine lid:	Automatic
Sample Washing:	YES
Sample load/unload:	Automatic
Number of program:	Unlimited
Number of program steps:	Unlimited
Job tracking:	YES
UNMANNED WORKING:	YES



Scan for videos



POWDER DYESTUFF UNIT (ODS LAB.POWDER)

Dyes are stored in powder silos. Very high %C Pad-Batch recipes are prepared directly from the powder dyes.

SOLUTION PREPARATION

System fully automatically brings the bottle, weighs the dyes and prepares the solution. Lower %C solutions are prepared from the mother solutions.

LAB.DIP SAMPLE WAITING STATION

Area for the samples to wait for dyeing or waiting after dyed.

SAMPLE DYEING UNIT FOR YARN (ODS LAB.AUTODYE)

Products which are prepared and placed on the system, are being dyed fully automatic, with the same process of bulk production dyeing.

YARN SAMPLE WAITING STATION

Area for the samples to wait for dyeing or waiting after dyed.

DOSING & RECIPE PREPARATION (ODS LAB)

The recipes created on the SW, are dispensed to sample dyeing machine pots very accurately. Dosing and measurement mistakes are completely eliminated.

BOTTLE WASHING UNIT

Emptied or expired solution bottles are automatically washed, dried and placed on the waiting station by the system.

SOLUTION MIXING

Auto prepared solutions are placed on the mixing unit for better dissolving. While solutions are mixing, new solutions can be prepared.

LAB.DIP SAMPLE DYEING (ODS LAB.DIP AUTODYE)

5-20 grs Lab.Dip samples are dyed, washed and get ready for shade control by fully automatic and UNMANNED system.

BOTTLES & CAPS

Special design 1 lt bottles with wider caps for easy solution preparation. Each bottle is equipped with special PE caps with automatic open/close system.

System Advantages

- VERY HIGH RIGHT FIRST TIME RATIO
- VERY HIGH LAB TO BULK COMPATIBILITY
- INCREASED LAB CAPACITY
- INCREASED QUALITY
- STANDARDIZATION
- NO ERRORS
- REDUCED LABOUR
- HIGHER RPT RATIOS
- EASY TRACKING WITH DETAILED REPORTS
- PRECISE CHEMICAL COST CALCULATION



TANK FARM



ODS CRS

Carousel Dyestuff Storage System



ODS WEIGH

Semi Auto Dyestuff Weighing System

ODS DYE

Semi Auto Dyestuff Dissolving & Dispensing System



DISPENSE LINE & CLEANING



TANK & DISSOLVING

ODS FILL

Chemical Filling System

ODS CHEM

Liquid Chemical Dispensing

ODS AUTO DYE

Automatic Dyestuff Weighing, Dissolving and Dispensing System

DARKLAB^{2.0}

ODS LAB

Laboratory Dispensing System

ODS PREP

Salt Soda Sulphate Dissolving

ODS RFN

Crude Salt Purification

- Why do you need ODS DYE?
- 1- Suitable dissolving for each dyestuff
 - 2- Avoids color differences for the same orders
 - 3- Eliminates color stains by fully dissolving the powder
 - 4- Eliminates making dye adjustments
 - 5- Minimizes the spillage
 - 6- Reduces the hazardous effects of dye on the operators
 - 7- Eliminates flying dye dust in the dyehouse

- Why do you need ODS REFINE?
- 1 - Reduces salt cost significantly.
 - 2 - Constant %C and pH of salt.
 - 3 - Enables standardizing the production process.
 - 4 - Lowers labor costs.

- Why do you need ODS SOLID & ODS PREP?
- 1 - Minimizes the labor and reduces the labor costs
 - 2 - Saves process time
 - 3 - Reduces weighing errors and defective orders
 - 4 - Ensures fully dissolved solutions and eliminates solid residue
 - 5 - Protects the dyeing mch, additional tank pumps by eliminating solid residue
 - 6 - Chemical consumption tracking system
 - 7 - Improves the DYE IT RIGHT THE FIRST TIME
 - 8 - Better stock control and costing

ODS SOLID

Salt Soda Sulphate Dispensing System

System Advantages

- VERY HIGH RIGHT FIRST TIME RATIO
- INCREASED PRODUCTION
- INCREASED QUALITY
- STANDARDIZATION
- REDUCED CHEMICAL USE
- REDUCED LABOUR
- REDUCED PROCESS TIME
- HIGHER RPT RATIOS
- EASY TRACKING WITH DETAILED REPORTS
- PRECISE CHEMICAL COST CALCULATION



INDIGO DYEING AUTOMATION SYSTEM

CHEMICAL/DYE KITCHEN RECIPE PREPARATION

DOSING STATIONS

- Dosing with level or flowrate control
- Accurate dosing with proportional valve and flowmeters
- Analogue box level measurement and recording
- Dosing from different tanks to different boxes
- Total chemical consumption record
- Graphical records, consumption reports and alarms.

AUTOMATIC CAUSTIC & WATER FEED

- Caustic pump and flowmeter unit
- Water pump and flowmeter unit
- High speed dispense via separate lines
- Exact %C adjustment
- Quickened recipe preparation

TANK TEMPERATURE & LEVEL CONTROL

- On-Line analogue temperature measurement
- Digital level measurement
- Auto Dosing tank selection
- Proportional or On-Off temperature adjustment
- Graphical records, reports and alarms

LIQUID INDIGO DOSING UNIT

- Continuous indigo recirculation
- Very precise dosing rate via dosing unit
- Nitrogen feeding unit
- Job wise total consumption report
- Records, reports and alarms

ROPE STRETCHING CALCULATION

- Length measurement from encoders
- Total length and extension calculation
- Graphical records, reports reports and alarms

AUTOMATIC HUMIDITY ADJUSTMENT

- Dryer steam pressure adjustment with PID
- % humidity measurement and auto adjustment
- Graphical records, reports reports and alarms

ROLLER PRESSURE MEASUREMENT & CONTROL

- Analogue roller pressure measurement
- Operators warning for any unstable situation
- Graphical records, reports reports and alarms

WATER INLET CONTROL

- Water measurement with flowmeters
- Flowrate adjustment with proportional valves
- Total and batch wise water consumption calculation
- Graphical records, reports reports and alarms

LEVEL CONTROL & ADJUSTMENT

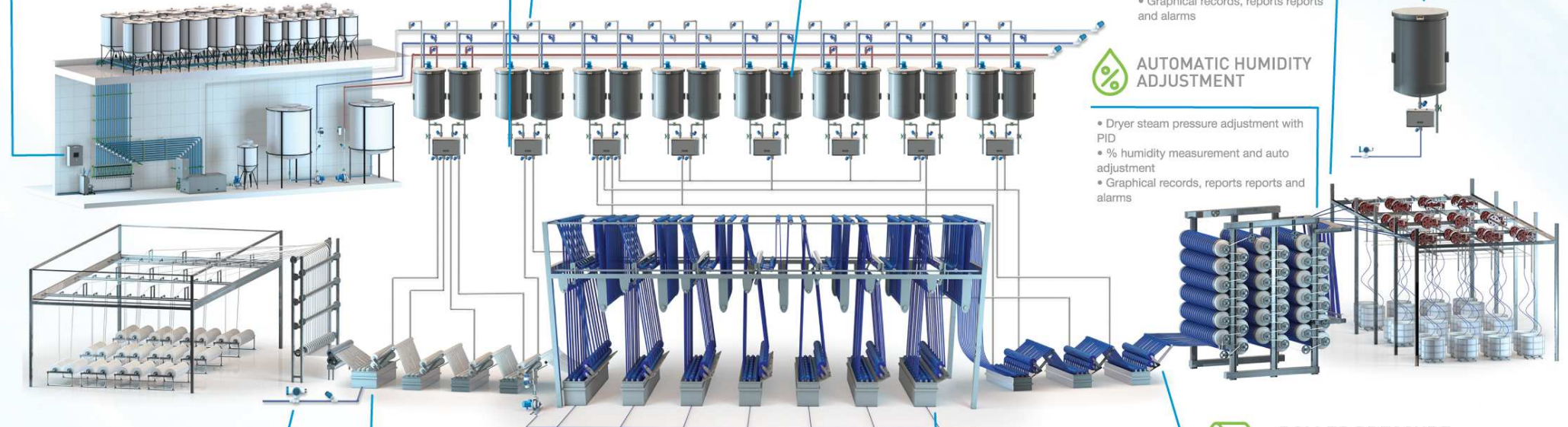
- Analogue measurement of box levels
- Level adjustment with dosing units
- Graphical records, reports reports and alarms

INDIGO CIRCULATION CONTROL

- Indigo circulation measurement via flowmeters
- Total circulated indigo report
- Indigo temperature measurement and adjustment
- Graphical records, reports reports and alarms

TEMPERATURE ADJUSTMENT

- On-Line analogue temperature measurement
- PreQuick heating to the target level
- Proportional or On-Off temperature adjustment
- Graphical records, reports reports and alarms

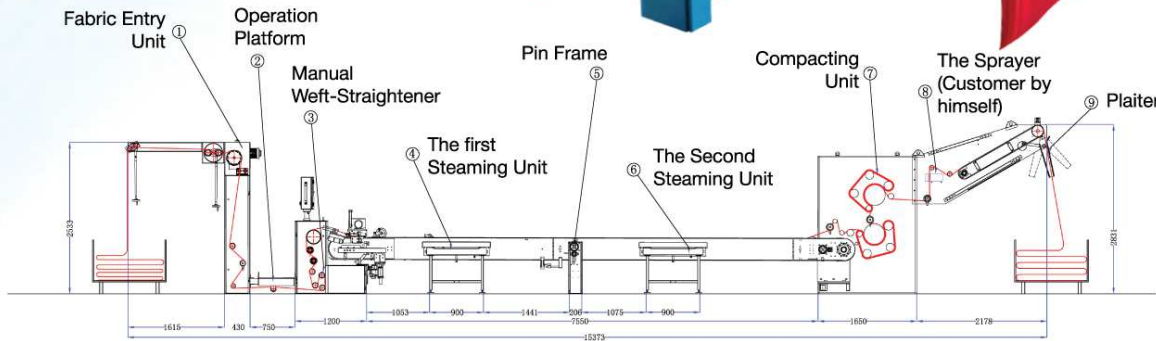




Felt Compacting Machine With Pin Chain



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Equipment Introduction

- The advantages of Felt Compacting machine with pin chain are wide applicability, suitable for cotton knitting, cotton blended knitting fabric pre-shrinking.
- The pre-shrinking ability is very strong, and some fabrics can be improved by 50% ~ 80% or more in a single straight direction.
- Improve the flatness of the fabric, improve the slight crease.
- Improve the luster, feel soft and droopy.
- The width of the fabric is easy to control, the size and shape are stable, and it is not easy to deform.
- High degree of automation, simple operation, easy maintenance.
- Low cost of use.

Felt Compacting Unit (Patented)

This compacting unit is composed of two heated hard chrome plated cylinders each of 360mm in diameter surrounded by stretchable compacting felt. The compacting felts are automatically centered and pressure adjustable. Felt running mechanism: 4 roller drive mechanism (patent technology).

Felt: 2600 (generating) * 2500 (width) * 20 (thickness), the surface by the United States dupont "NOMEX" composition of high-performance Australian wool carpet, acupuncture has better anti-aging, crack resistance.

Technical Data

- Roller width: 2600
- Fabric width: 2400
- Maximum speed: 50 m/min
- Voltage/Frequency: 380 volts, 3 phase, 50 Hz
- Saturated steam: 4 bar
- Compressed air: 6 bar
- Loading power: 27 kw



Pin chain

The vertical chain structure is adopted, and the distance of needle is short, which is conducive to needle on knitted fabric.



Steam box

The use of two sets of steam boxes can be more conducive to the full wetting of knitted fabrics before pre-shrinking.



Compacting unit (patent)

Next to the steam roller is the four-roll structure design, which more effectively controls the shrinkage rate and extends the service life of the felt.



Connection from pin chain to compacting unit

The gap free connection ensures that the distance from pin chain to the felt is short and the tension is small.



The exit unit (patent)

Conveyor belt structure, small tension, is conducive to the installation of the spray device, 2.3 meters above the ground



Independent electric cabinet

The use of independent electrical cabinet can better protect electrical components and prevent mechanical vibration and signal interference

Questionnaire & Answer for Compactor Machine

After Kingrise Compacting Machine, what is the shrinkage percentage ?

Usually we can reduce the residual shrinkage rate from 50% to 80% percentage of total residual shrinkage rate.

Usually We can reduce the shrinkage rate 6% to 10%. for example: Length side -10% before, after Kingrise Compacting Machine , -4% or 0 length shrinkage. Sometimes we can reduce more.

The biggest advantage of Kingrise Compacting Machine in the Chinese market is two points: the shrinkage rate is better than any European Compacting Machine brand. In addition to the machine is very stable, after-sales service efficiency is very high.

Kingrise company plans to establish a technical service center in Bangladesh 2024, and plans to hire local technicians in Bangladesh to serve Bangladeshi customers more efficiently.

150 GSM 100% cotton fabric running speed?

The speed can exceed 30m/min if the shrinkage rate is improved by approximately 4%. However, if the improvement exceeds 5%, the speed typically remains below 30m/min. In such cases, it becomes necessary to adjust the speed based on customer requirements.

How much reduces shrinkage after wash?

Depending on the required shrinkage rate, a comparison can be made between the shrinkage rates before and after washing. The Kingrise Compacting Machine has an extremely low shrinkage rate after washing, surpassing any European brand Compacting Machine. In some cases, zero shrinkage can even be achieved.

Pique Interlock Fabric shrinkage below 5%?

For interlock cloth, the shrinkage rate after Kingrise Compacting Machine can be less than 5% (dryer test).

Dryer process Tumble dryer or Relax dryer?

If you go through the relax dryer and then passing Compacting Machine, you can achieve better shrinkage.

High GSM shrinkage control?

The Kingrise Compacting Machine can achieve very stable gram weight and shrinkage rate control. The whole machine is fully automatic control, as long as the various parameters are set, such as tension, temperature, speed, etc., the machine will automatically run, & adjust according to the set parameters, and the shrinkage rate and GSM weight can be very stable.

Spiralety / Twisting

The twisting is mainly improved by the stenter machine, because the cloth which passing Compacting Machine is dry, the torsion can only play an auxiliary role in improving. The Kingrise Compacting Machine is equipped with a manual weft straighter, and the needle chain and over feed roller can set different speed sand over feed amounts. These can help improve torsion.

Slub / single jersey control?

The shrinkage rate of single jersey can be controlled less 5% after passed Kingrise Compacting Machine.

Low GSM shrinkage percentage?

After passing the compacting machine, the knitted fabric shrinkage is severe, the shrinkage rate is very low, and the gram weight increase is obvious.

Is the Viscose shrinkage control Less then 8% good ?

For Viscose shrinkage control requires very small tension, high precision, the shrinkage can be controlled within 8%.

Machine Working width?

Working width: 2400mm

Chain length?

Chain length: 8 m

Electric Consumption?

Installed power: 27KW, usually the machine runs only about 15KW.

Machine width?

Max machine width: 4 m

Steam Consumption?

Steam consumption: 150kg~250kg/hour

Machine Running Speed?

Max speed: 50m/min, usually the machine running speed from 20m/min to 45m/min depend on different request.

Compactor machine length?

The length of the Kingrise Compacting Machine is 15.373 meters . By preparing 18 to 20 meters of workshop length installation of Kingrise Compacting Machine can be.

How many load cells in the Felt Compacting Machine?

Our machine have Four Load cells. Four load cells located at fabric entry units, before the first compacting felt, between two felts, and at the exit of machine.

Does this machine have any option for cooling the fabric?

Our cloth conveyor belt is relatively long, fabric can be cooled naturally, the temperature of the fabric after the Compacting Machine is not high, the cloth temperature is generally lower than 45°C, no problem at all.

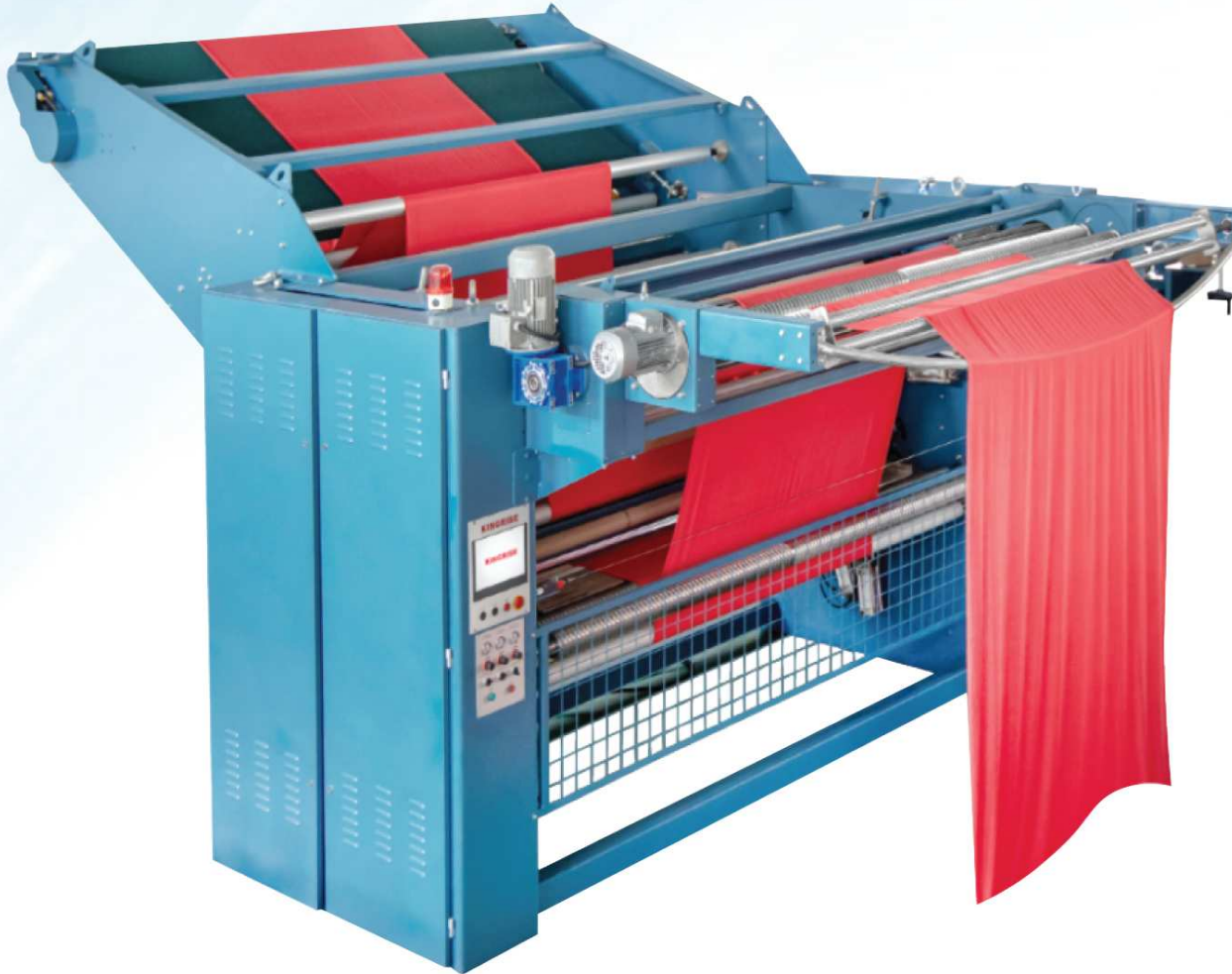
Does this machine have Wicko or Water Spray option?

We generally do not provide Wicko humidifier, almost no customers in China use Wicko humidifier, but Kingrise can provide double side sprayer and single side sprayer as an optional, the effect is very good.

All the electro mechanical components are made in europe, only machine fabricated in China such as Felt; Dollfus & Muller. The drive system: BONFIGLIOLI (Italy). , Main drive reducer: BONFIGLIOLI (Italian). Pneumatic components: AIRTAG's company (Taiwan). Electrical control system: PLC adopts Siemens, frequency converter and touchscreen adopt Siemens or Schneider company. Needle plate: stainless steel needle plate, adopt imported from Germany. Chain, stainless steel chain, stainless steel and import PEEK. Compacting Teflon sheet: Germany Kastilo imported. Detecting fabric selvage sensor: sensor TAOS companies in the United States imported. Centering device: sensor TAOS (USA)

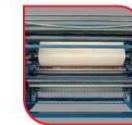


Felt Compacting Machine Without Pin Chain



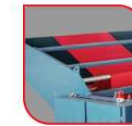
Technical Data

Roller width: 2600
 Fabric width: 2400
 Maximum speed: 50 m/min
 Voltage/Frequency: 380 volts, 3 phase, 50 Hz
 Saturated steam: 4 bar
 Compressed air: 6 bar
 Loading power: 18 kw



Compacting unit (patent)

Next to the steam roller is the four-roll structure design, which more effectively controls the shrinkage rate and extends the service life of the felt.



The exit unit (patent)

Conveyor belt structure, small tension, is conducive to the installation of the spray device, 2.3 meters above the grounds



Degree of automation

The parameters are set and input through 10.4 inch Siemens touch screen, which is automatically controlled and easy to operate.



Compacting paper

Custom compacting paper, smooth surface, conducive to shrinkage.



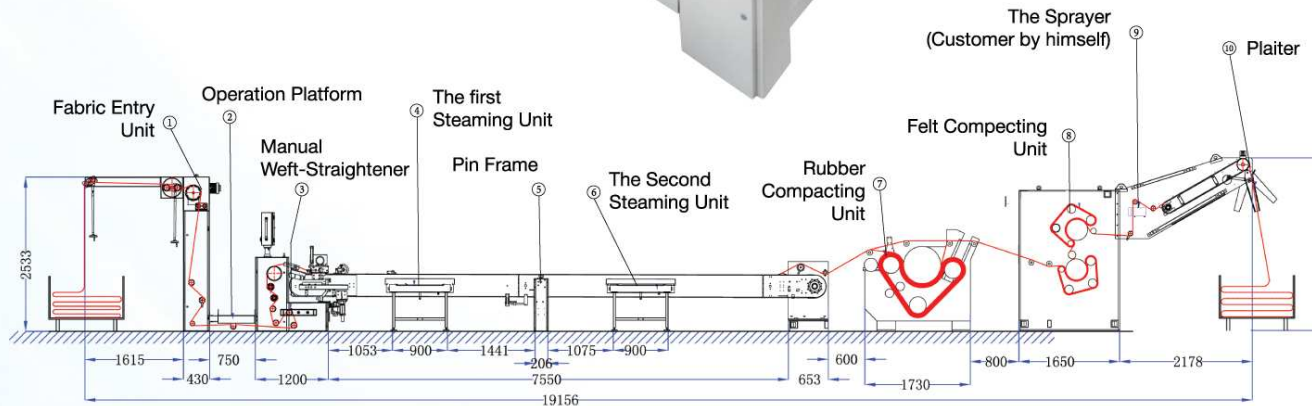
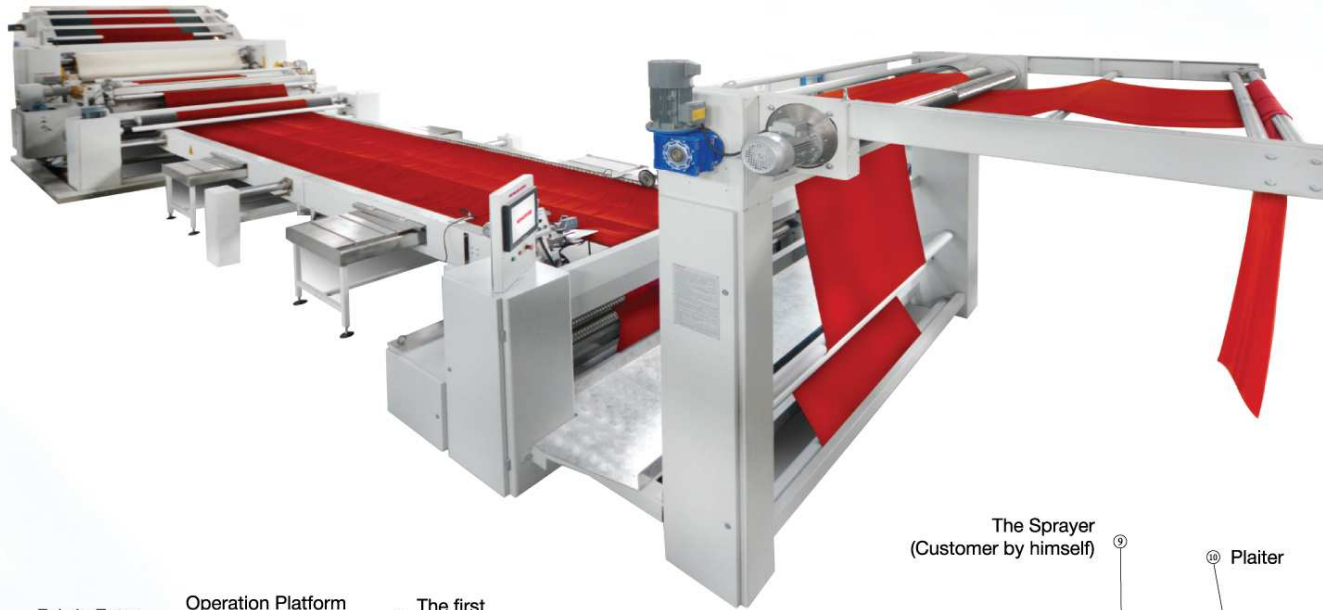
Steam box

There is a steam box in front of the compacting unit, and front of the steam box is equipped with a bevel tooth plate to help open the cloth that is easy to roll.

Equipment Introduction

In addition to the fabric width control, the same function as the Felt compacting machine with pin chain, suitable for large orders, online production with the same stenter, shorten the process time, no add additional labor, save labor costs, small footprint, low investment cost. It can also be used with a separate compacting machine

Rubber & Felt Compacting Machine With Pin Chain



Equipment Introduction

Rubber and Felt compacting machine with pin chain, suitable for cotton knitting, cotton blended knitted fabrics pressing and pre-shrinking. It has all the functions and advantages of the felt compacting machine, and it has a softer feel, a stronger gloss and a mercerizing effect.

Technical Data

Roller width: 2600
 Fabric width: 2400
 Maximum speed: 50 m/min
 Voltage/Frequency: 380 volts, 3 phase, 50 Hz
 Saturated steam: 4 bar
 Compressed air: 6 bar
 Loading power: 50 kw



Rubber blanket unit

Imported rubber blanket, steam cylinder end and shaft head stainless still 304 manufacturing, with good shrinkage effect, good calender effect, small tension, durable, rust prevention and other characteristics.



Rubber blanket unit steam cylinder

The rubber blanket unit steam cylinder adopts very strict production standers, the cylinder surface reaches the brightness and high finish of the mirror, and has a very excellent calender effect. The end and shaft heads are made of stainless steel 304.



Rubber blanket unit touch screen

The control of the rubber blanket unit and the setting of various parameters can be controlled by the rubber blanket unit touch screen.



Into the Rubber blanket unit

Into the Rubber blanket unit: From the pin chain into the rubber blanket unit, the fabric passes through a high-precision tension bar and two screw open rollers.



Linkage between rubber blanket unit and felt compacting unit

The fabric enters the felt compacting unit through the rubber blanket unit, and is pre-shrunk again to obtain a very good shrinking effect.



Stenter Machine for Knit & Woven Fabric

Working width: 1800-3600mm | Machine Speed: 5-100m/min
Chamber: 4-10 Chamber | Padder: 2 Roller Padder | Cooling Device: Air Cooling
Heating System: Natural Gas, Steam, Thermal Oil
Application: Cotton, Spandex, Viscose Polyester, T/C etc.



Double Layer Stenter Machine for Knit & Woven Fabric

Working width: 1800-3600mm
Chamber: 4-10 Chamber | Machine Speed: 5-100m/min | Heating System: Gas
Application: Cotton, Spandex, Viscose Polyester, T/C etc.



Equalizer Dryer Machine

Working width: 1800-3600mm
Heating system: Natural Gas, Steam, Thermal Oil | Speed: 5-50m/min | Temp: 170 °C
Application: Cotton, Spandex, Viscose Polyester, T/C etc.



Stenter Heat Recovery System

This machine has some standard features like
Cold Air Inlet, Exhaust Filter, Sprinkler Pipe, Exhaust Exchange Inlet, Cold air
“S” Channel, Spray & Cleaning Outlet, Cleaning Felt Roller, Both Side Door Open

Scan for the Video





Pre-Shrinking Dryer

Steam heating: 100~140°C
Heat conducting oil heating: 100~170°C
Gas/LPG heating: 100~190°C
Number of boxes: 4boxes, 6boxes
Mechanical speed: 3-45m/min
Evaporation measurement:160kg/h/case



Tubular Compactor Machine

Working width: 1400mm
Electric heating power: 33Kw(48Kw)
Mechanical speed: 0-30m/min
Motor power: 12Kw
Temperature of cylinder: 0-220°C (0-150°C)
Roller Diameter: φ400, φ500



Heat Setting Machine

Working width: 1400(1600)mm(double ways)
Mechanical speed: 0 ~ 30m/min
Maximum temperature: 220°C
Heating: electric, heating oil, Gas
Driving type: Frequency-conversion control
Weight: 5t



Bag Sewing Machine / Cylinder Sewing Machine

Applications: for bags
Ergonomically designed, Improve fabric quality
Synchronize production process
Fast and easily handled
requiring for one operator only



Vertical Soft Calender Machine

Working width: 2600(2300)mm
Mechanical speed: 3~30m/min
The temperature of cylinder: 100~200°C
Driing methods: Vardble frequency
Motor power: 7.5Kw
Weight: 4.5t



Air Turning/Reverse Machine

Type: overturning fabric by Air flow
Max loading capacity: 200KG
Max overturning speed: 120m/min
Size of drum: 250×4800mm
Motor: 7.5kw+0.37kw



Balloon Padder

Working width: 1400mm
Machine speed: 3-50m/min
Motor power: 18kw
Applicable air pressure: 0.3-0.6Mpa
Applicable steam pressure: 0.4-0.6Mpa
Machine weight: About 5 Ton



Rope Open Slitting Washing & Squeezing Machine

Working width: 2200-2500mm
Working speed: 0-100m/min



Tumbler Dryer

Overall power: 76.5KW / 73.5KW
Material: 304 stainless steel
Drive cloth speed: 0-50M/Min | Weight: 20 Ton / 18 Ton



High Speed Brushing Machine

Installed power: 40.8KW | Working speed: 5~50m/min
Diameter of cylinder: Φ 777 mm | Number of rollers: 24
Speed of roller cylinder: 60~90RPM



Polishing Machine

Installed power: 26.52KW | Working speed: 5~40m/min
Diameter of polishing roller: Φ 415 mm
Machine Weight: 5Ton / 10Ton



Shearing Machine

Installed power: 17.32KW | Working speed: 5~50m/min
Number of spiral roller: 1000 | Weight: 7Ton / 5.5Ton



Single/Double Drum Raising Machine

Installed power: 51.4KW | Working speed: 5~50m/min
Diameter of cylinder: Φ 1120 mm
Number of rollers: 36+36 | Speed of cylinder: 60~90RPM



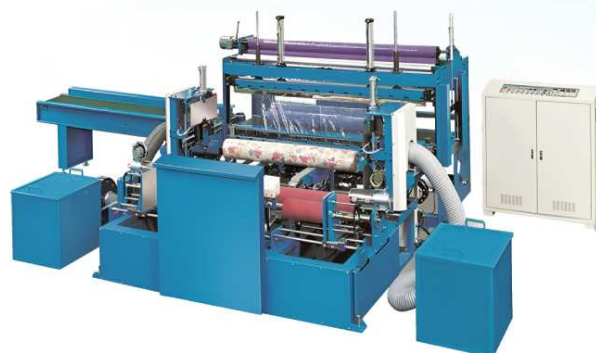
Vertical 6 Roller Sueding Machine

Installed power: 56KW | Working width: 2000~3500mm
Fabric speed: 5~52m/min | Sueding roller speed: 200~1500RPM
Weight: Main body 7 ton, Total 10 ton



Open-width Knitted Fabric Tensionless Inspection Machine

Standard work area: 2300mm, 2500mm | Speed: 0~60m/min
Size: 2700(L)*3000(W)*2000(H)mm | Total power: 2.5KW
Weight: 1350KG



Fully Automatic Inspection, Rolling & Packing Machine

Packing diameter: Ø 100 MM - Ø 550 MM
Packing weight: 5 KG - 800 KG | Capacity: 3-6 volumes/min
Packing materials: L.D.P.E FILM | Pressure: 5-8KGF



Automatic Tubular Fabric Inspection Rolling Machine with Both Side Inspect

Max Work area: 1200mm~1420mm
Light box size: 24"~56" | Speed: 0~40 m/min
Load Capacity: 500-1000kg



Finished Product Open-width Fabric Inspection Machine

Work area: 2200mm-2800mm | Speed: 0~60 m/min
Size: 2800(L)*2400(W)*2400(H)mm | Weight: 900KG



Fabric Inspection Rolling Machine

Working width: 1800mm~2500mm (can be customized)
Machine speed: 0~80 m/min | Motor power: 1.5KW
Size: 2730(L)*1280(W)*1950(H)mm | Weight: 960KG



Fabric shrinking and forming Machine (with heighten falling fabric device)

Size: 10690*2610*1420mm
Power Supply: AC380V 50HZ\60HZ
Power: 32KW



Multi-Flow High Temperature Dyeing Machine

Capacity (Kg): 30, 50, 150, 300, 600, 900, 1200, 1800, 2400

No of Tube: 1/1, 1/1, 1/1, 1/1, 2/2, 3/3, 4/4, 6/6, 8/8



U-Flow Dyeing Machine

Capacity (Kg): 300, 600, 900, 1200, 1800, 2400

No of Tube: 1/1, 2/2, 3/3, 4/4, 6/6, 8/8



Soft Flow Jet Dyeing Machine

Capacity (Kg): 60, 100, 150, 300, 600, 1200

No of Tube: 1/1, 1/1, 1/1, 1/1, 2/2, 4/4,



Capacity (Kg): 30, 60, 150, 300, 500, 600, 1000, 1200, 2000

No of Tube: 1/1, 1/1, 1/1, 1/2, 1/2, 2/4, 2/4, 4/8, 4/8

High Temperature Jet Dyeing Machine



Capacity (Kg): 30, 60, 150, 250, 500, 1000

No of Tube: 1/1, 1/1, 1/1, 1/1, 2/2, 4/4

High Temperature Jet Dyeing Machine

Environmental Seamless Washing & Garments Dyeing Machine

MGD



HGD



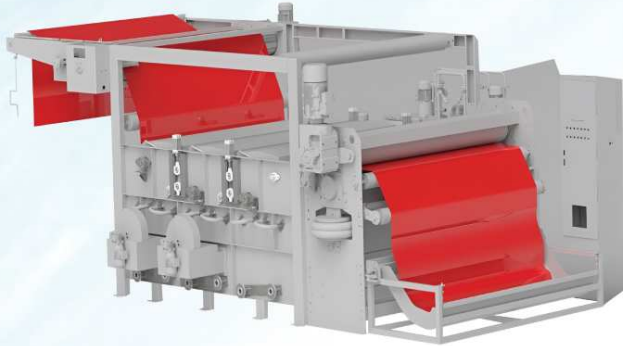
After constant research, development and innovation, our company developed the first High Efficient Eco- Friendly Energy-saving Garment Dyeing Machine with International first-class technology. When fully loaded, its liquor ratio can be low as 1:6 for visible effect of energy saving and consumption reduction, greatly reduces customers dyeing costs and ensures them to gain good profit in the competitive market.

Model	Number of Chambers	Capacity (Kg)	Capacity (Kg)	Dimensions(mm)		
				(L)	(W)	(H)
MGD3-01	2	1	1.5	1300	1400	2000
MGD3-05	1	5	1.5	1800	1200	1800
MGD3-10	1	10	3	2000	1400	1800
MGD3-S25	3	25	19	2500	2400	2000
MGD3-S50	3	50	35	3000	2900	2400
MGD3-S100	3	100	35	3000	2900	2400
MGD3-S200	3	200	67	3450	3300	2850
MGD3-S240	3	240	67	3450	3600	2850

Model	Number of Chambers	Capacity (Kg)	Capacity (Kg)	Dimensions(mm)		
				(L)	(W)	(H)
HGD-01	2	1	1.5	1300	1400	2000
HGD-05	1	5	1.5	2000	1200	1200
HGD-10	1	10	3	2000	1200	1300
HGD-S25	3	25	19	2800	2700	2100
HGD-S50	3	50	35	3100	3100	2600
HGD-S100	3	100	35	3100	3700	2600
HGD-S200	3	200	67	3600	4000	3100
HGD-S240	3	240	67	3600	4300	3100



Pre-Washing Machine



Machine is basically consists of

1. Fabric Input unit; 2. Washing/Oil Removing Chamber; 3. Oil Filtering & Recovery System;
4. Self Cleaning Rotary Filter; 5. Light Squeezer
6. Rinsing Chamber; 7. Intensive Squeezer;
8. Output Pasting Unit; 9. Chemical Preparations Tanks

Technical Data

Working Width (Fabric Width): 1800-3400mm

Rollers Width: 2000-3600mm

Installed Power: 8 kW

Air Consumption: 18 Nm³/min

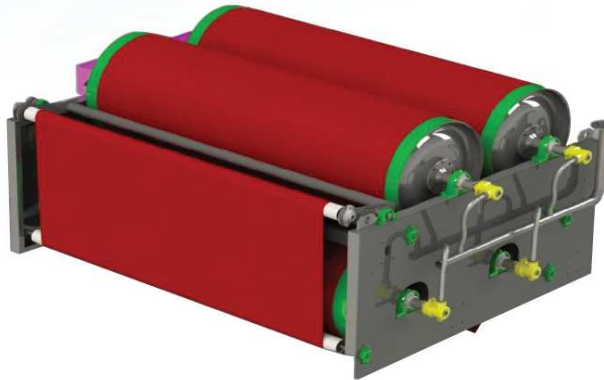
Steam Consumption: 315 Kg/h

Spray System Flow: 100-200 l/m adjustable

Service Tanks Capacity: 600 lts each

Washing Tanks Capacity: 1st 500 l - 2nd 500l

Pre-Dryer for Stenter Machine



Advantages

- Big drum size & more touching surface
- Zero tension on fabric
- Long drum life
- Zero friction on fabric

Technical Data

Production Capacity: 2.5 to 3.5 tons/day

Fabric: Woven & Knitted Fabric CO, VIS & Blends with Elasthane

Fabric Width: Avarage 250g/m²

Working Width: 1800-3400mm

Outside Diameter of Cylinders: 630/800 mm

Workinh Pressure: 5 Kg/cm²

Hyd. Testing Pressure: 9 Kg/cm²

Machine Speed-Mechanic: 80 m/min

Stenter Padder Dosing System



Advantages

- Automatically dosages chemicals (even concentrated ones) homogeneously in the desired quantities as g/L into the foulard tanks.
- Eliminates unnecessary chemical consumptions.
- Reduces your consumptions while making your quality better.
- Eliminates common mistakes of weighing problems caused by operators.



Full Automatic Tilting Washing Extracting Machine

Washing Capacity (Kg): 120, 130, 150



Full Automatic Washing Extracting Machine

Washing Cap. (Kg): 15, 20, 25, 30, 50, 70, 100



Hydro Extracting Machine

Washing Capacity (Kg): 15, 25, 35, 50, 70, 100, 120



Semi Automatic Washing Machine Horizontal

Washing Capacity (Kg): 35, 50, 70, 100, 150, 200, 250, 300



Full Automatic Drying Machine

Washing Capacity (Kg): 15, 25, 35, 50, 70, 100, 150



Full Automatic Dry Cleaning Machine

Washing Cap. (Kg): 8, 10, 12, 16 & 8, 10, 12, 15



Electric/Steam Heated Flatwork Ironer/Small Sized Ironing Machine

Motor Power: 0.75kw
Ironing Speed: 0-25m/min
Power: 1000W-1500W
Max Ironing Width: 1000mm-1300mm



High Speed Dewatering Garments Dyeing Machine



- The Garment Dyeing series products are energy efficient
- High-capacity, and feature full automatic control for stable product quality.
- It has a capacity of 200 kg of dry clothes, surpassing traditional 600-pound machines in productivity.
- With automated control, automatic discharge, and dehydration systems

Pre Dewatering Garments Washing & Dyeing Machine



- The Garment dyeing machine have low energy consumption, high production capacity, and stable product quality through full automatic control
- Can handle 250 kg of dry clothes and features fully automated control
- The equipment improves productivity, reduces labor requirements, and saves over 50% of labor costs.

Sample Garments Washing & Dyeing Machine



- Adapt to all kinds of washing and dyeing processes of proofing
- The equipment has the same control system as the big goods machine so that the process from the sample machine to the big goods machine is seamlessly connected.
- The equipment is used to achieve the same effect as the goods machine through our company's extensive research (same bath ratio, same control, same mechanical action, & washing and dyeing effect)

Pre Dewatering Denim Washing Machine



- Jeans Pre Dewatering Machine series offers low energy consumption
- It has a rated capacity of 250 kg of dry clothes
- Fully automated control, automatic discharge, and dehydration systems
- It reduces labor intensity and improves working conditions



Sample Yarn Dyeing Machine

Capacity: 300gm~5Kg



Spray Type Hank Yarn Dyeing Machine

Maximum working temperature: 98°C
Heating gradient: 25°C~98°C approx. 4°C/min
(dry saturated steam pressure at 7kh/cm2)



Hank Yarn Dyeing Machine

Load Capacity: 500Kg
Maximum working temperature: 98°C
Heating gradient: 20°C~98°C approx. 30 Minutes
(dry saturated steam pressure at 6kh/cm2)



High Temperature Hank Yarn Dyeing Machine

Maximum working temperature: 140°C
Maximum working pressure: ≤0.4MPa
Heating gradient: approx. 5°C/min (dry saturated steam pressure at 6kh/cm²)
Cooling gradient: approx. 4°C/min (cooling water pressure at 3kh/cm²)



High Temperature Package Dyeing Machine

Maximum working temperature: 140°C
Maximum working pressure: 0.4MPa



Cheese Yarn Dewatering Machine

Production capacity: 32-48 pieces/5minutes
Moisture retention: 45% (cotton yam)
Speed of revolution: <1540 r.p.m

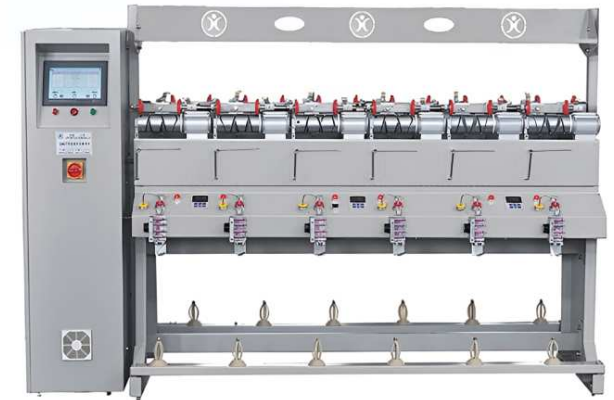


High-Temperature Package Dryer Machine

Dyable bobbin yarn (number): 1260/1600
Evaporation Cap. (Kg): 120/190
Drying time: 2.5-3 hours



Bobbin Yarn Frequency Conversion Dehydrator & Cheese Rounding Machine



Hard Cone Winder

Type: Double-side single layer | Power of motor: 90W/spindle
Winding speed: inverter adjusting,max.1100m/min
Roll package size: Φ 180*152mm



Soft Cone Winder

Type: Double-side single layer | Power of motor: 90W/spindle
Winding speed: inverter adjusting,max.1100m/min
Roll package size: Φ 180*152mm | Head: 12/24/36/48/60/72/120



High Speed Sewing Thread Winding Machine

Application: Cord, yarns, sewing thread
Max.winding speed: 1000m/min
Full spool length: 0-60000m | Total motor power: 1.5kw



Double Yarn Twisting Winding Machine

Single Yarn Count Range: Normally 20-60 Ne
Winding Speed: 100-700 m/min
Spindle Gauge: 342 mm



IR Sample Dyeing Machine



Automatic Steam Soaping & Rinsing Machine



Vertical & Horizontal
Padding Mangle



Electric Heated Steam Heated
Automatic Electric & Steam Fixing Dryer



Forced Convection Oven/Incubator



Electrolux Wascator FOM 71CLS & Electrolux Tumble Dryer Machine



Laboratory Washing Machine for all European Buyers (AdLab) & Laboratory Dryer Machine (AdLab)



Color Matching Cabinet



Washing Color Fastness Tester



ICI Pilling and Snagging Tester



Martindale Abrasion & Pilling Tester



Xenon Light Fastness Tester



Pneumatic Bursting Strength Tester



Universal Tensile Strength Tester



Electronic Wrap Reel & Automatic Yarn Count Tester



Lea Strength CSP Tester



CHN Spectrophotometer



Electronic & Manual Crock Meter



Pantone TCX, TPX, CU



Orbital Shaker Flask



Electronic Pipette Machine & pH Meter SevenDirect SD20/50 Inlab Expert Pro-ISM Electrode



Textile Formaldehyde Tester & UV-Vis Spectrophotometer



Stretch Recovery Tester Knit & Woven



Scan for Catalogue



CT, DMF & CLS



Potentiometric Linear Transducer



Control Valves



Eliar Sensors



Proximity, Position & Inductive Sensors



Gefran Process Controller & TR Force transducer



Novotechnik Sensors



Potentiometer



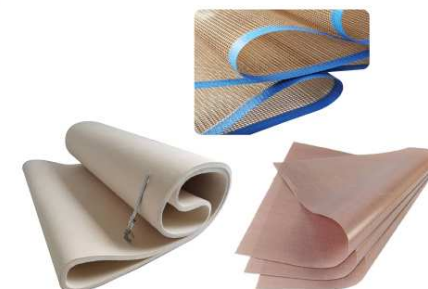
Directional Control Valve



Inverter Drives



Allen Bradley Inverter Drive



Mesh Belt, Compactor Felt & Teflon Sheet

UNIQUE IN INDUSTRY....



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