

CATALOGUE

Stenter Machine



ITG Group in numbers

+50 years

Of experience in the
Textile Industry

7

National Divisions

**+50 sales
agents**

In Europe, Asia
and the Middle East

**+100
employees**

Worldwide

+10,000

Textile Products

**+2,000
customers**

Worldwide

5

Business Lines

Bussines Lines

ITG Group operates in different business lines, which include: spare parts for weaving and circular knitting, textile accessories, and new and semi-new machines for circular knitting and weaving.



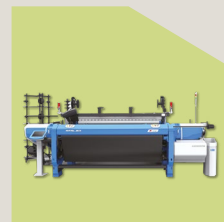
Spare Part &
Accessories For
Weaving



Spare Parts &
Accessories For
Circular Knitting



Buy-Sell Second-Hand
Machinery



Textil
Machinery



Braiding &
High-speed Label
Looms

Weaving Success Together

ITG Group, every thread of our international team always at your service.

XY-D-2600

Double-layer energy-saving and efficient tension-setting machine



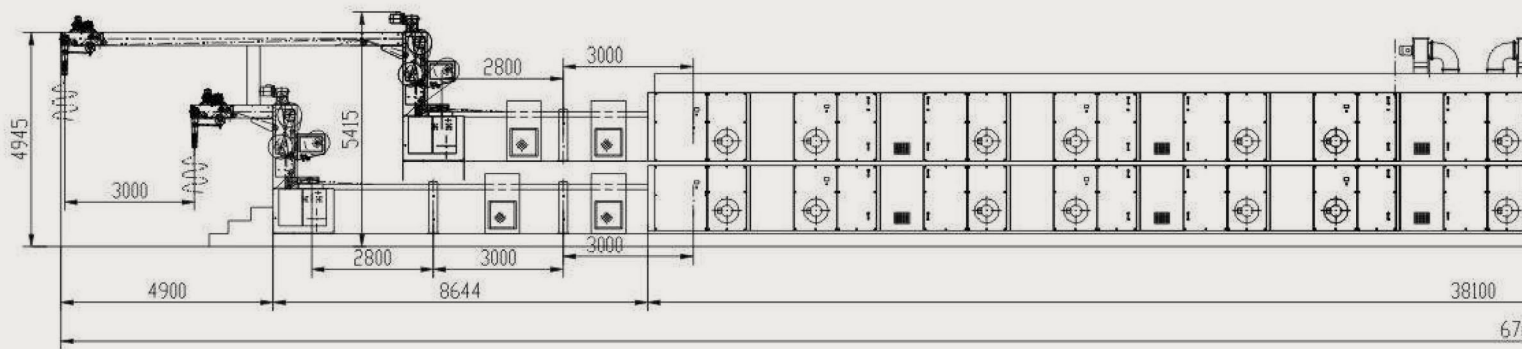
Summary

The XY-D-2600 double-layer energy saving and efficient stretch setting machine is launched under the valuable experience gained from the deep cooperation with domestic and foreign customers to meet the energy saving and consumption reduction and increase production. XY-D-2600 double layer energy-saving and efficient stretch setting machine adopts PLC touch. Screen control and patented double layer oven system, which meets different technological requirements for knitwear and woven fabric, and maximizes the usefulness and environmental protection of the setting machine. It has become a benchmark of advanced technology of domestic setting machine.

Special feature

- Good finalizing effect
- There are 110 color differences between left, middle and right hands
- Each oven has 2 fans, so it feels good
- Each section of the oven can adjust the air volume, frequency control
- The temperature can be adjusted for each section of oven
- The length of each section of oven is 3 meters

Equipment diagram



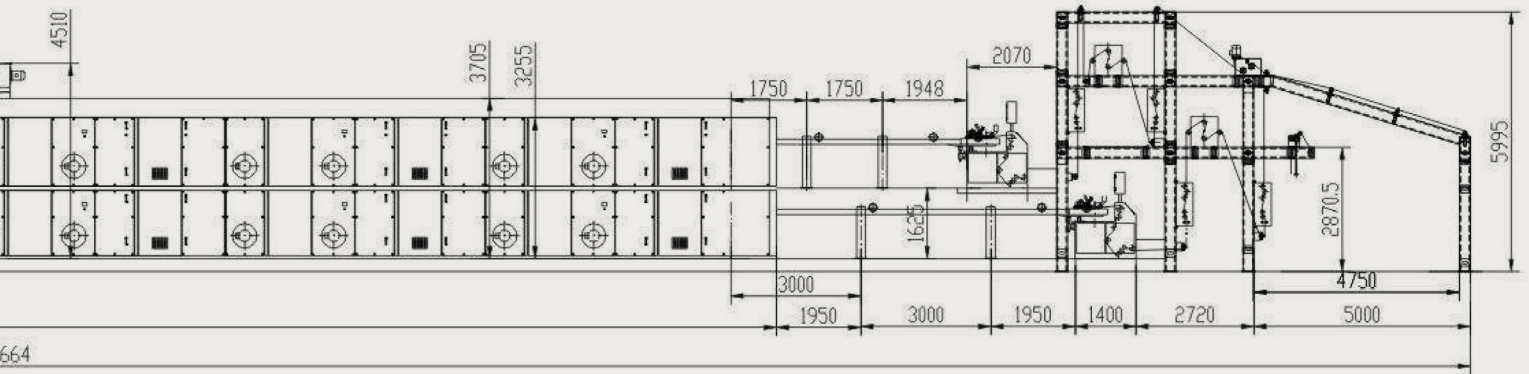
- Adopt the box type design, occupying less space.
- The internal heat exchanger can be detached clean, easy to maintain.
- The air exhaust fan and supplementary fan are both controlled by frequency conversion.
- The heated fresh air is fed into the oven to avoid dripping due to large temperature differences.
- Energy saving at the same line, the production efficiency can be improved by 2% - 3% (depending on technological conditions).
- Reduce the thermal radiation of the exhaust system to the workshop and lower the temperature of the working environment.
- The design of energy saving exhaust pipe can keep the humidity in the oven in the best state and improve the feel of the cloth.
- The waste gas waste heat recovery device has high heat transfer efficiency, and it needs to replenish fresh air to enter the oven through the waste heat recovery device, saving about 10% - 30% energy.
- Mixer sym machinery "double high efficiency and energy saving setting machine" is a kind of stenter setting machine, we can use this machine to produce all kinds of cloth, this is in order to be better designed to save energy is designed for layer 1 and layer 2, can independently control the rate of the first layer of the second host, fan speed, temperature control, production this way will be big, energy saving and achieve efficient.

Double layer oven system

The oven:

- Double layer energy-saving and efficient oven: heat generated in the first layer of heat setting is transferred to the second layer of heat setting oven through the closed iron plate, and the energy saving is about 20%-40%(depending on the process).
- Energy management: built in air duct and efficient to prevent heat leakage and dripping oil, achieve the effect of energy saving and environmental protection.
- Oven all insulation panel made of heat, insulation materials are high quality galvanized plate and the thickness of 150mm is made, which inside and outside the oven, put an end 10 iheheat leakage.
- Connected and working vave each heat nslato plate and tamne.
- Double layer high efficiency energy-saving oven design, the height of each layer of the cabinet is





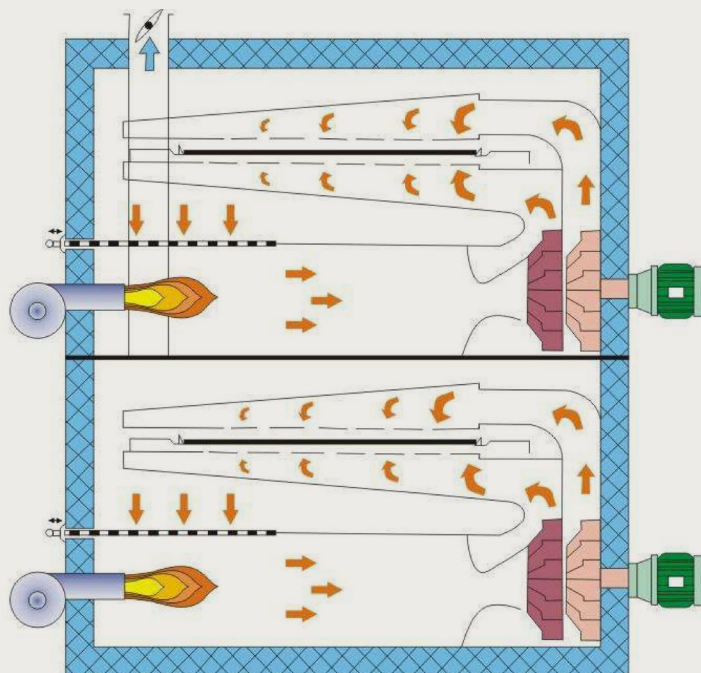
1600mm, saving the floor area and meeting the production process requirements.

- The import and export are quipped with air sieldling device, heat and cold air iniothe export are the import andoveriow of texil.

Circulating air/double duct

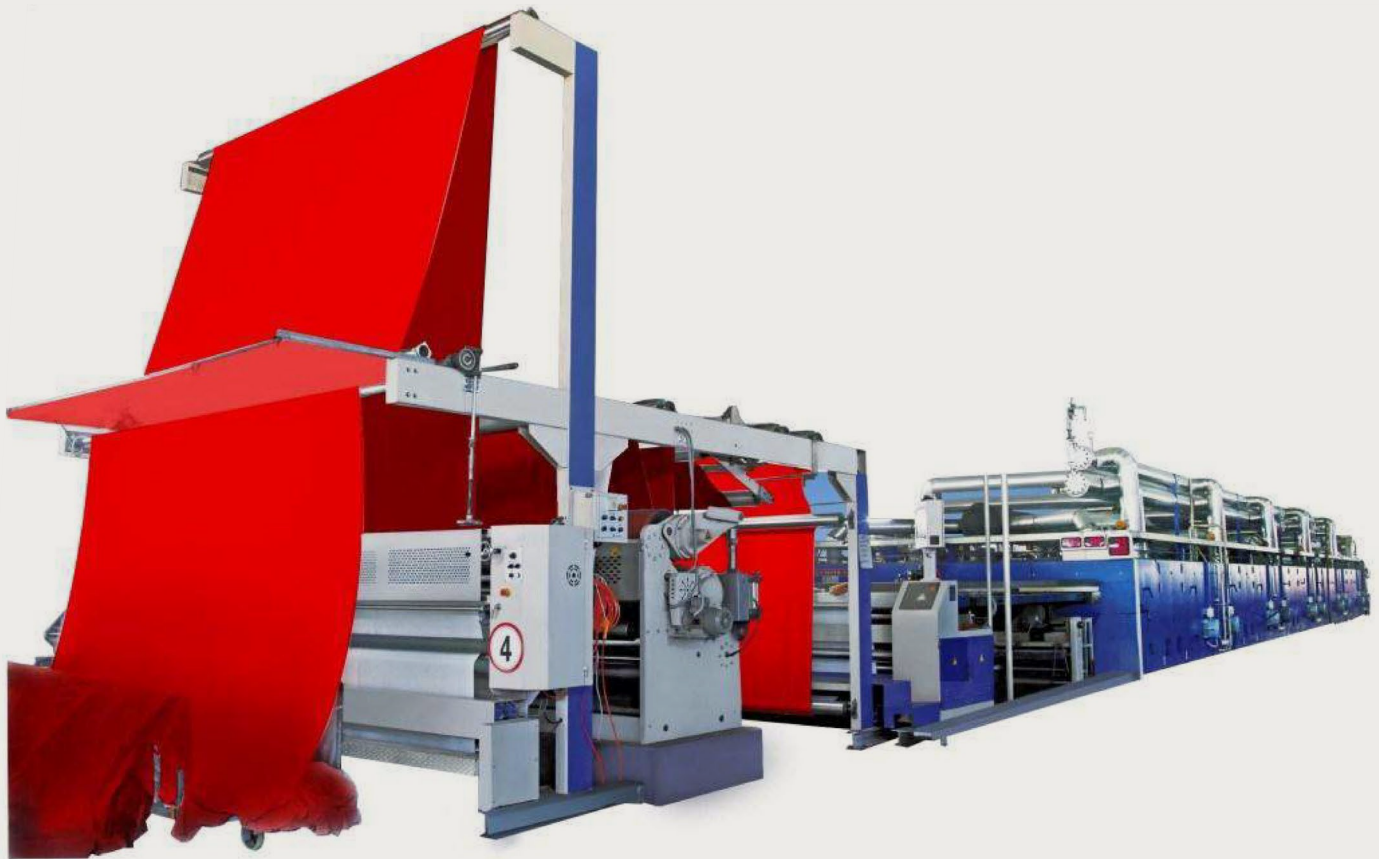
Double air circulation

- **Features:** Upper and lower duct air volume can be controlled separately.
- **Menu Settings:** Up and down air volume can be set to any desired ratio. Air volume by the Japanese mitsubishi frequency converter.
- **Advantages:**
 1. The Max 11 KW motor of downwind tunnel and 7.5kw motor of downwind tunnel can achieve stable fabric effect at any time. Even at low speed, it is ideal for processing sensitive fabric such as knitwear, coated fabric, recycled fabric, ultra-fine fiber, plush fabric and silk. Dual air duct system is an ideal air supply system.
 2. Standardized parts are used to facilitate user maintenance and inventory reduction.



XLC-2600

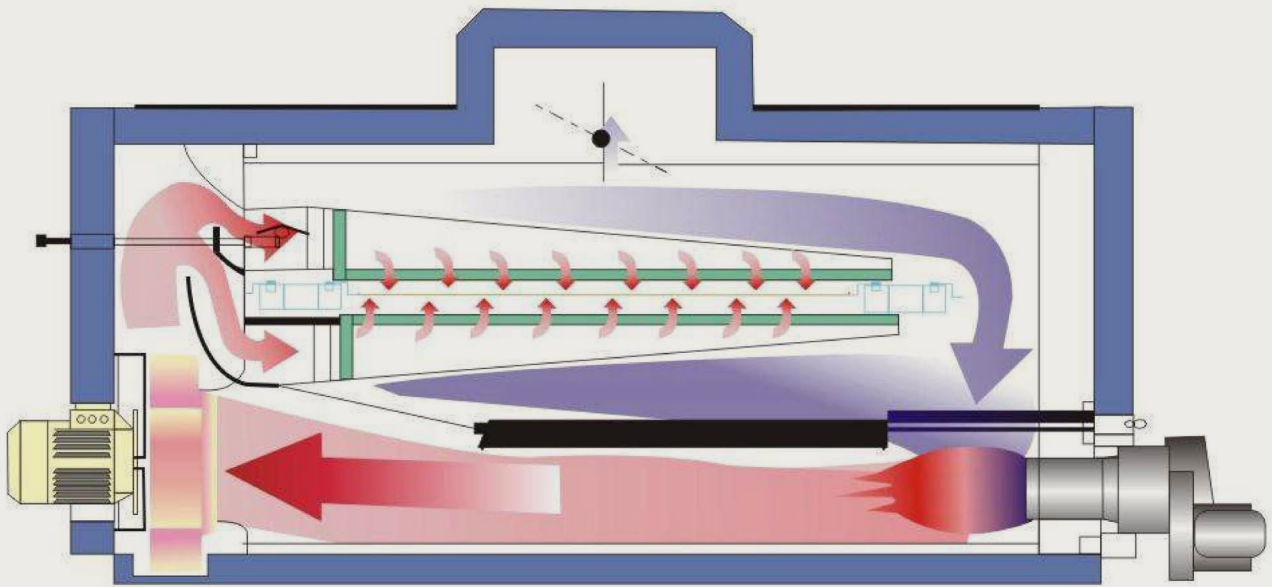
Tension setting machine



Improved width control ability:

The front width, total width, and rear width are controlled by different motors. Excellent performance is exhibited for brushed fabrics and curtain fabrics receiving excessive tension along the width as well as PK, PQ, and LYCRA, which reduce the tension along the width. In particular, when the seagull phenomenon occurs, the width can be selectively controlled by each motor 1, 2, and 3 chamber.

- All transmission devices are arranged in the box body, is convenient for daily maintenance.
- The box body without lubrication points, avoid the lubrication management is not in place and all kinds of fault causes and pollution to the fabric.
- Drive motor adopts imported brands, maintenance free and long maintenance cycle.



Circulating air/double duct

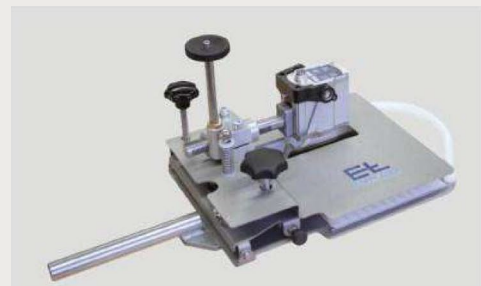
- **Features:** Upper and lower duct air volume can be controlled separately
- **Menu Settings:** The upper and lower air volume shall be adjusted manually to set the required ratio. Air volume by the Japanese mitsubishi frequency convert
- **Advantages:**
 1. The 2 x 7.5KW motor of upper and lower air duct can achieve stable fabric effect at any time. Even at low speed, it is ideal for the processing of sensitive fabric such as knitwear, coated fabric, recycled fabric, ultra-fine fiber, plush fabric and silk. Dual air duct system is an ideal air supply system.
 2. In order to improve the thermal efficiency and improve the structure of the oven, the production efficiency was improved.
 3. For various types of air nozzle in various fabrics.
 4. The inner space of oven is big and easy to maintain.
 5. Make use of standardized parts for user maintenance and inventory reduction.

Stripping control system

All selvedag uncurlers using the German original factory production.



Mechanical scroll spindles, either two, three or four on each side



Mechanical spreading unit



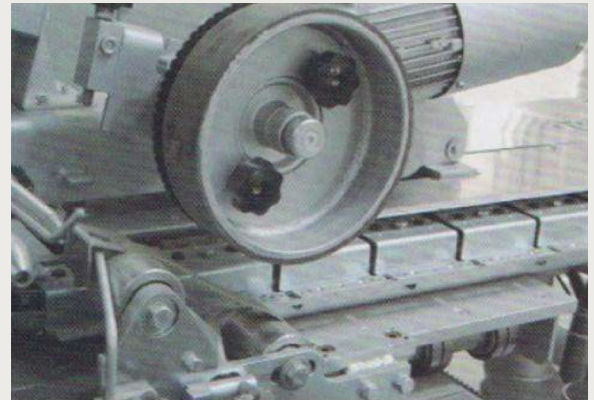
Infrared ray tracing electric eye FR



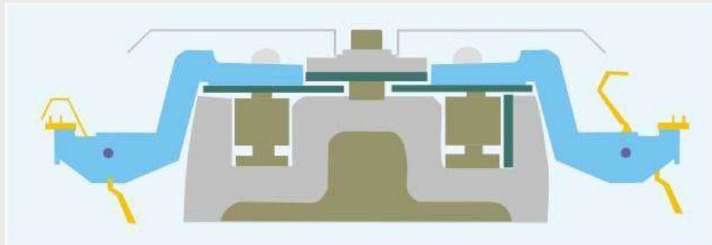
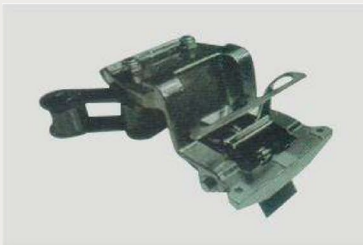
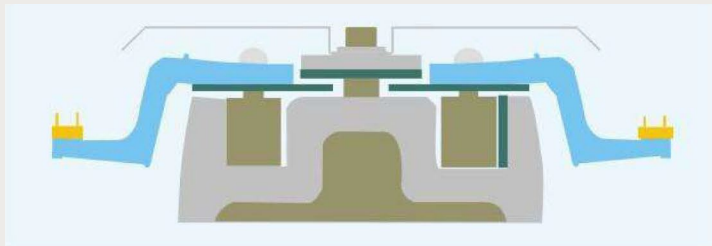
KR60 motor (including rontrol circuit board RK4080)

The needle overfeeding

- The adjustment range of the overfeed amount between the overteed roller and the needle chain is wide (30% to + 80%), which can meet the overfeed rate of various cloth demands.
- Control needle feeding rate can be set to the required range.
- And the compressed air edge spreading device ensures that the cloth edge needle is fully expanded.



Oil cast iron guide rail



- Specially designed cast iron guide rail with less oil leakage.
- The chain runs on the oil cast iron guide rail. The transmission link contains sealed ball bearing and lubricating grease. The chain has a long life (depending on the process conditions).
- Can run faster than 100 m/min.
- Professionally designed direct lubrication method to minimize oil consumption.
- Professionally designed main chain with pin plate, clip and pin/dip combination.
- Pin plate chain pin release device: pin clip or pin release protection lever.
- The latest design of the anti-loose pin protection clip lift-off device to avoid damage to the pin clip can ensure that the pin clip operates in the best condition.

XLB-2600

Tension setting machine

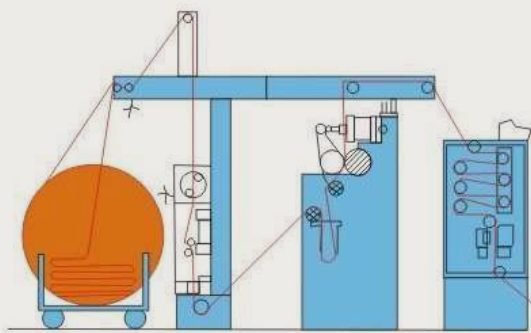


Product Uses

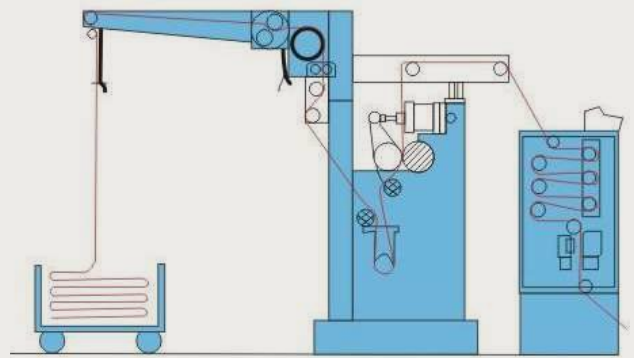
The machine is suitable for tentering and shaping of such fabrics as rib fabric, knitted fabric, toweling, napped fabric, etc. The processed and shaped fabrics have such features as stable width, smooth cloth and even fuzz.

Infeed combinations

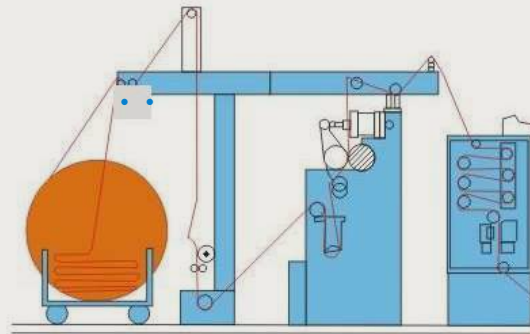
XINYI offers standard infeed combinations. The cloth frame E+L on the device, expander, cloth feeding tension control devices optional ordinary potentiometer or E+L tension sensor > which is designed to match the requirements of most kinds of fabric treatment process. The illustrations here show three infeed combinations:



Infeed combination for woven and /or knitted fabrics



Infeed combination for knitted fabrics



Infeed combination for woven fabrics

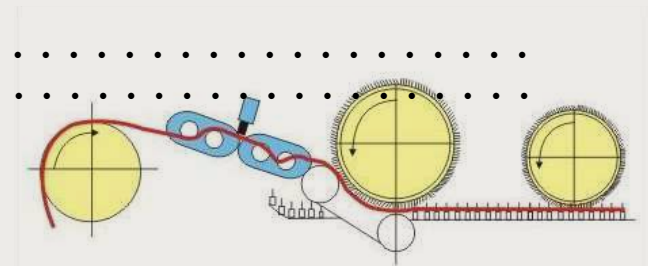
Fabric preparation



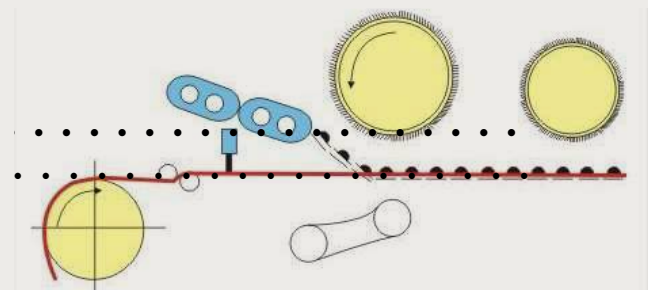
Large overfeed pinning adjustment range -20% to + 80% to accommodate the various amounts of shrinkage encountered in different fabrics. Before and after the touch screen can be adjusted over feed from the head and tail of the busy running back and forth, and can quickly control over feed.

The selvedag tension can be set separately for the left-hand and right-hand sides control.

Careful design of the compressed air blowing edgedevice can make the edge of serious fabric in needle before fully expanded, in favor of fabric edge can be fully finalized in the oven.

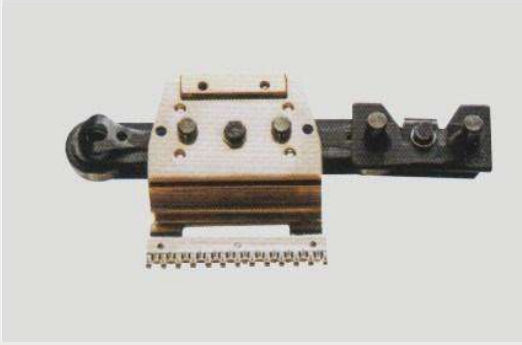


Fabric Run: Overfeed during fabric pinning

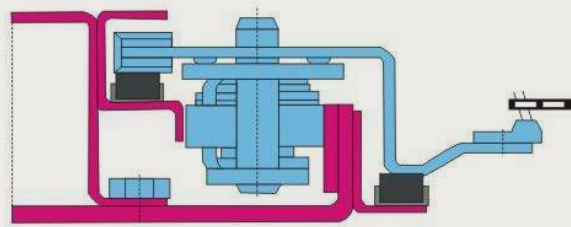


Fabric Run: Clip operation

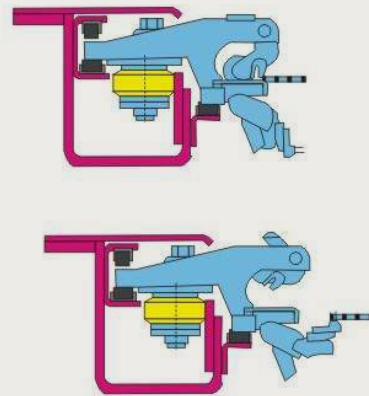
High-tech stenter chains



Hercules Pin Chain



Hercules Combined Chain



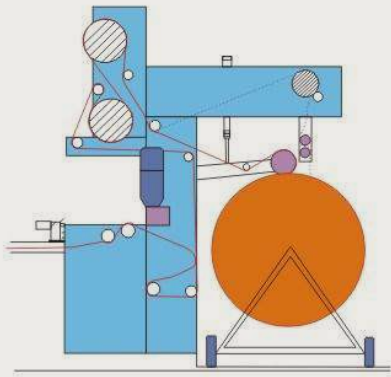
Hercules operates horizontal chains

- The chain runs on maintenance-free track. There are sealed ball bearing and lubricating grease inside the transmission link. The chain has a long life (depending on the process conditions).
- Can run faster than 150 m/min.
- Professionally designed direct lubrication method to minimize oil consumption.
- Professionally designed main chain with pin plate, clip and pin/clip combination.
- Pin plate chain pin release device: pin clip or pin release protection lever.
- The latest design of the anti-loose pin protection clip lift-off device to avoid damage to the pin clip can ensure that the pin clip operates in the best condition.

Outlet combinations

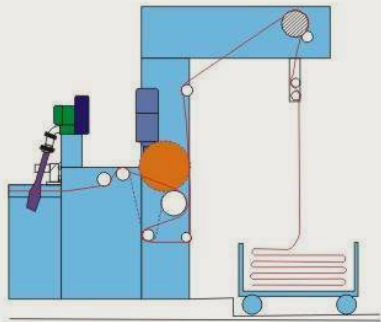


Output combination device is composed of independent distribution unit, falling unit, swinging unit and new type of strong wetting device, cooling device, winding device, which can be adjusted separately to meet the needs of various fabric production. The cloth outlet combination method is optional.



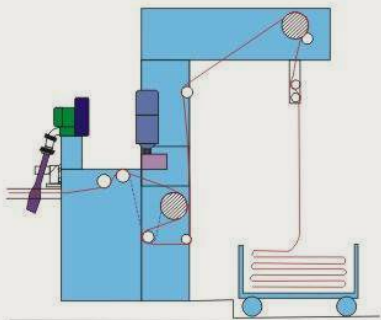
Outlet for woven fabrics:

Outlet with driven puling roller and big batch winding upto 2000mm [max]. The plaiter can be included as an option plaiter.



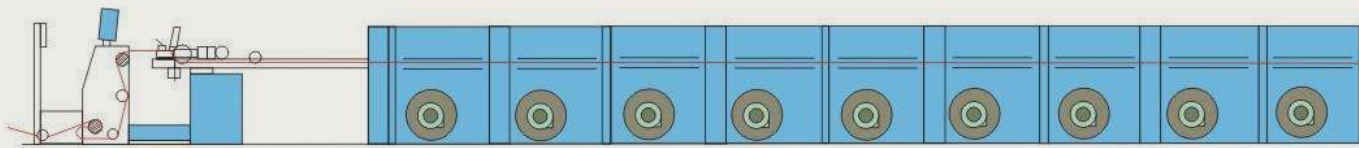
Outlet for knitted fabrics:

Outlet with driven pulling roller and a plaiter optionally an ascending batch winder on cardboard tubes upto 600mm diameter [max] can be included.

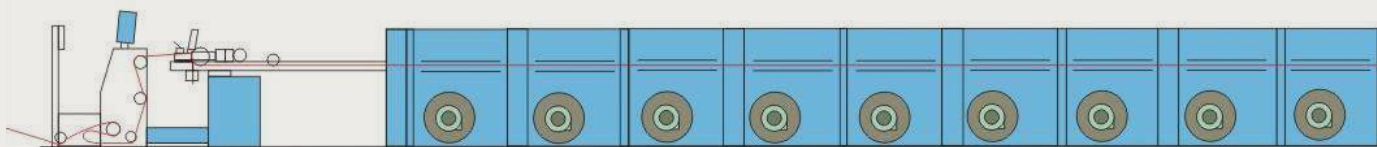


Outlet for woven and lor knitted fabrics:

Outlet with driven pulling roller and a plaiter having 1000mm lap lenght.



8F TwinAir 八烘箱



10F TwinAir 十烘箱

Modular technology

Standard Version 4F-12F

Universal stenter for drying and heat setting processes with the corresponding configuration the machine can be used for practically all types of fabric.

Technical data

General executions available:

For woven fabrics

For knitted fabrics

For woven and knitted fabrics

Width range available: 180cm-320cm

Minimum working width: 60cm

Number of chambers available: 4-12

Max chamber temperature: 220°C

Stentering chains:

Hercules-horizontal chain with long term lubrication

Machine speeds: 2.5-50m/min

5-100m/min

7.5-150m/min

Stenter range for

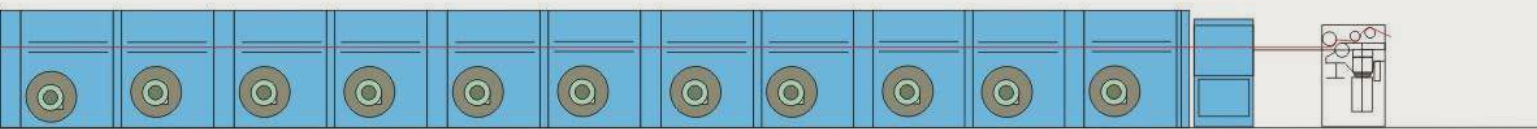
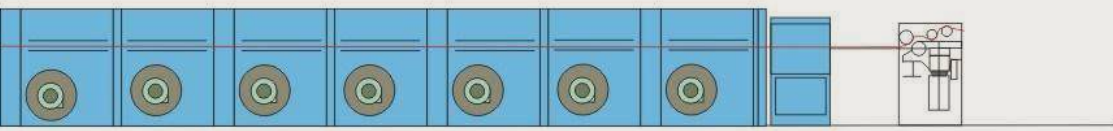
Dehydration

Finishing

Drying

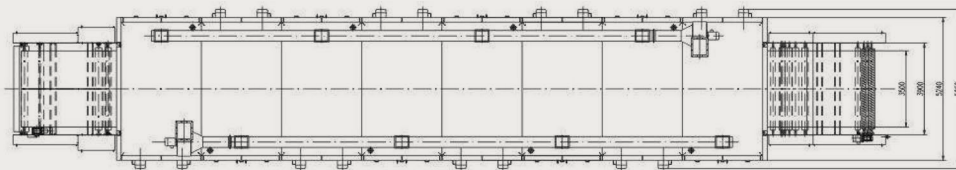
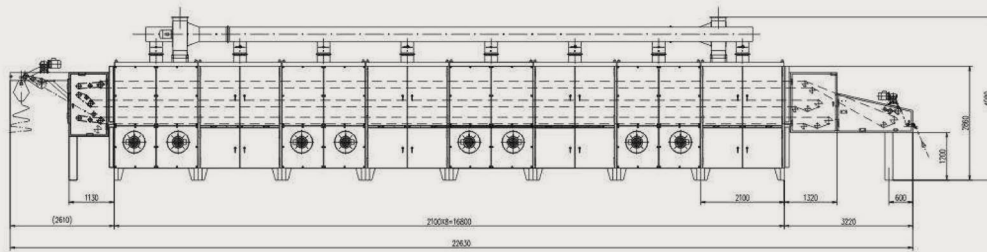
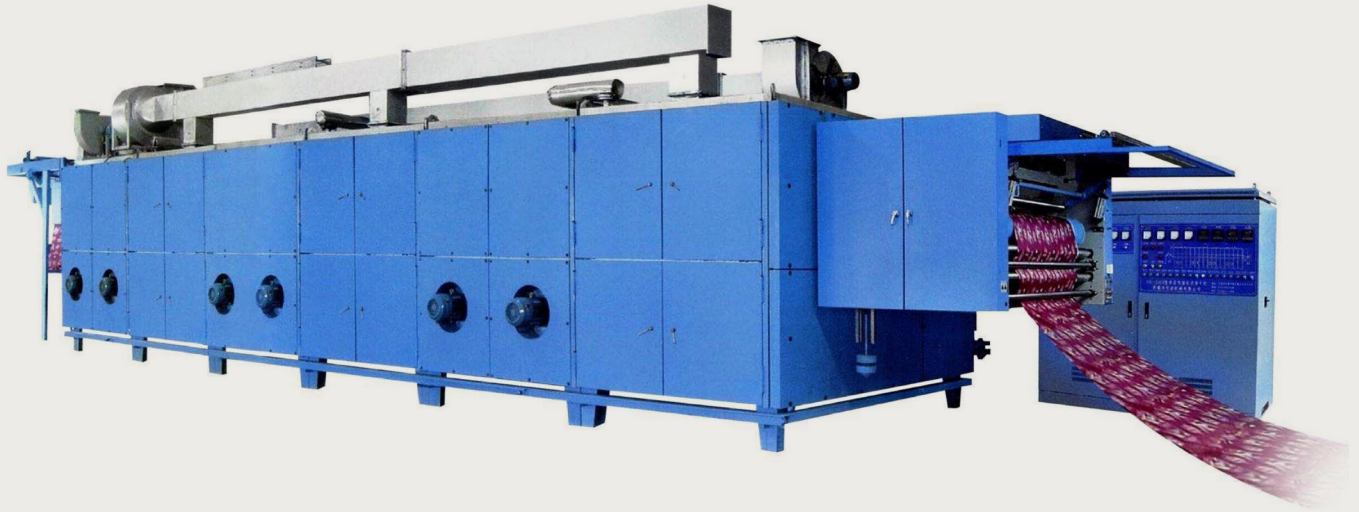
Curing

Heat-setting of woven and knitted fabrics



Three-layer Loose Dryer Manufacturer

Three-layer Loose Dryer Manufacturer



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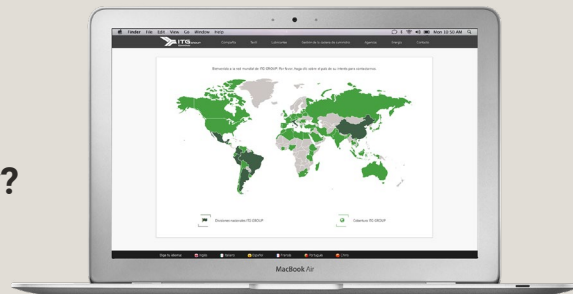


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