





ABOUT US

Hangzhou Wiltop Textile Machinery Co., Ltd is a global modern enterprise, which mainly involves textile machinery production and export, manufactures & promotes high-level professional textile machinery under the brand name of "Wiltoptex Textile Machinery".

Nowadays, we own five professional textile machinery factories, which are furnished with advanced technologies from Belgium, Germany, Italy and Japan. We exert extensive efforts to increase access to match and innovate high-level machinery for our loyal and potential clients.

Our company has many senior experts in this field. Some professors are from famous universities in China. Thus, relying on good R&D group. The cooperative crystal WT9100 high-speed air jet loom has been exported to more than 20 countries such as India, Pakistan, Turkey, Sri Lanka, Bangladesh, Boliva and so on with high speed, high efficiency, energy saving and stability.

Our mission is to provide the world with superior machines and services.



WT9100 HIGH SPEED AIR JET LOOM

POWER SAVING
HIGH SPEED
VALUE ADDITION



Quality assurance starts from source



Clean up the wall board castings



Casting sandbox

Own foundry workshop, the emphasis on quality starts from raw materials.

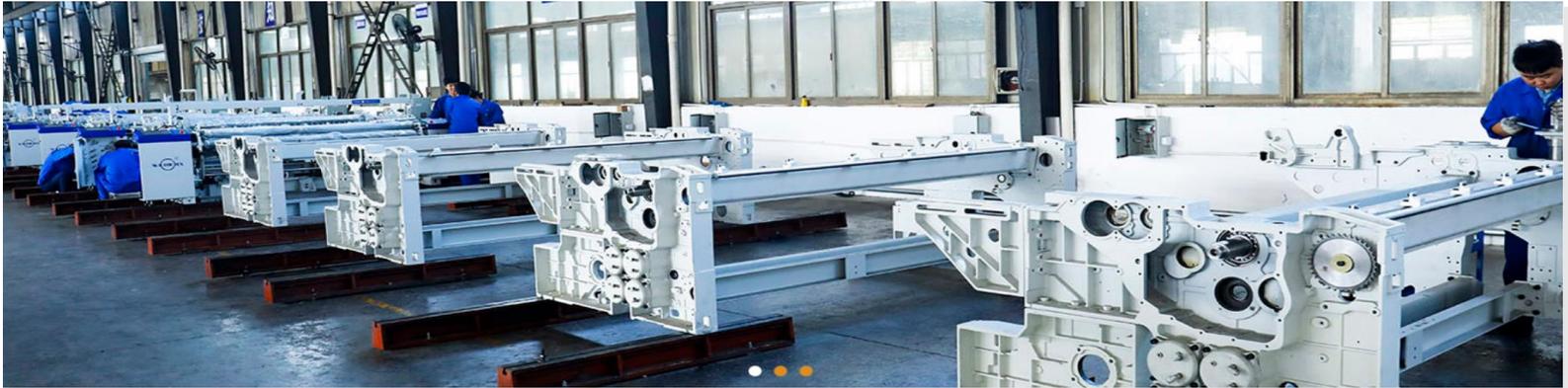


Professionally configured CNC center guarantees the accuracy of parts from every process of processing.

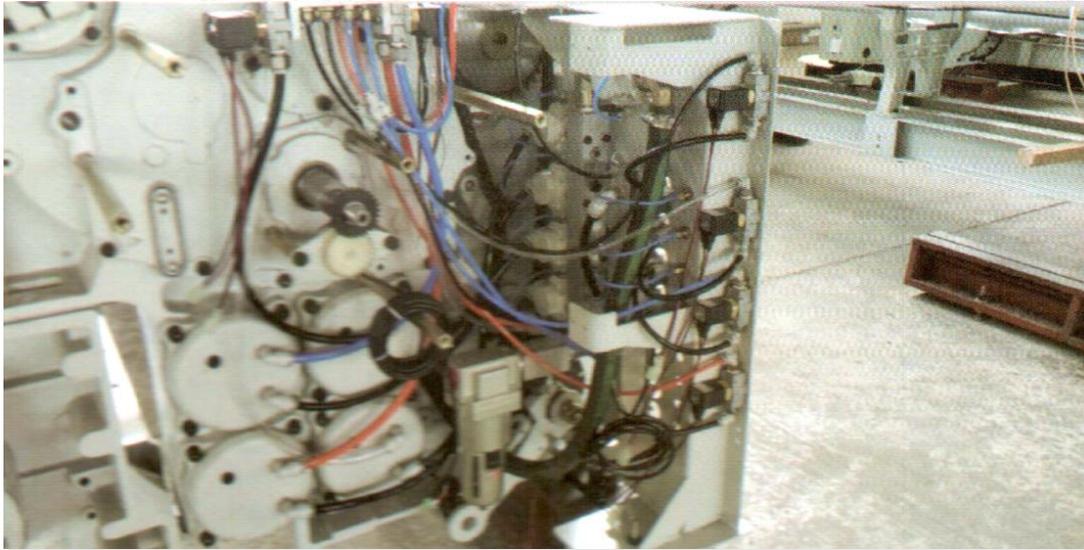
Quality assurance starts from source



Use precision testing instruments such as CMM to ensure that each part meets the technical requirements before assembly. Independent imported parts warehouse to ensure the quality of the loom.



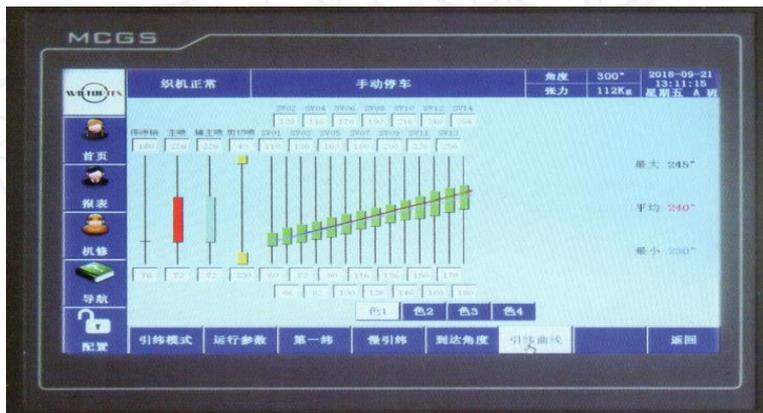
Use intelligent weft insertion system, equipped with energy-saving main nozzles and sub main nozzles, and one by two electronic valves, the low-pressure high-speed weft insertion is realized, the weft insertion time is more precise, air consumption is much reduced.



Induction system



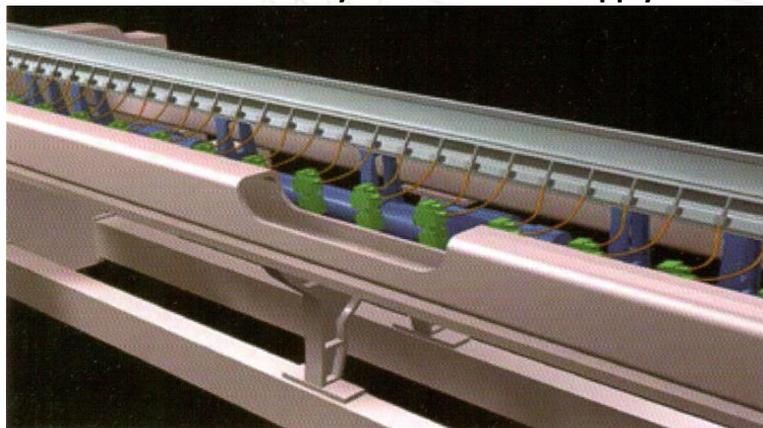
Pressure regulating valve



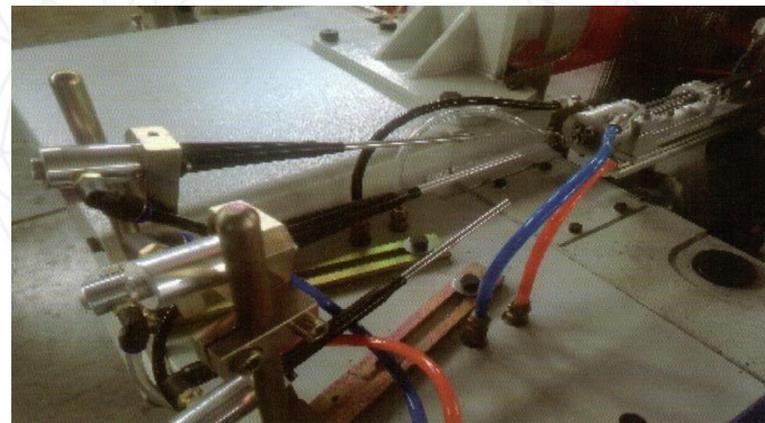
Weft insertion control system control air supply accurately.



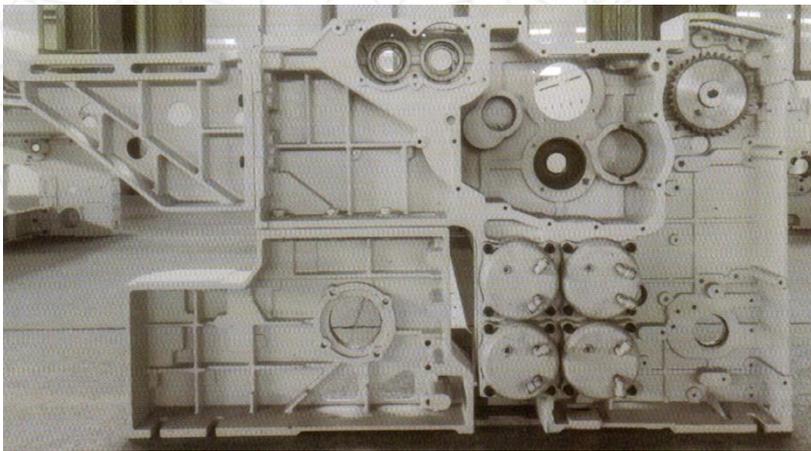
One by two solenoid valve control weft insertion.



Tandem weft insertion.



Energy saving main nozzle.

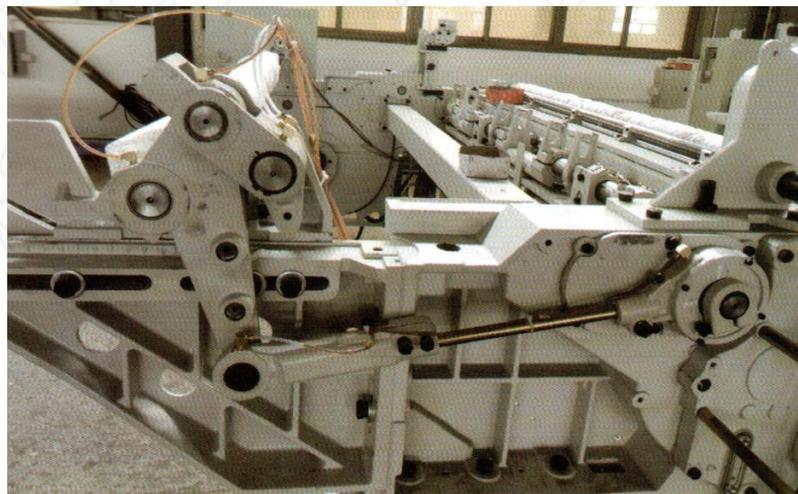


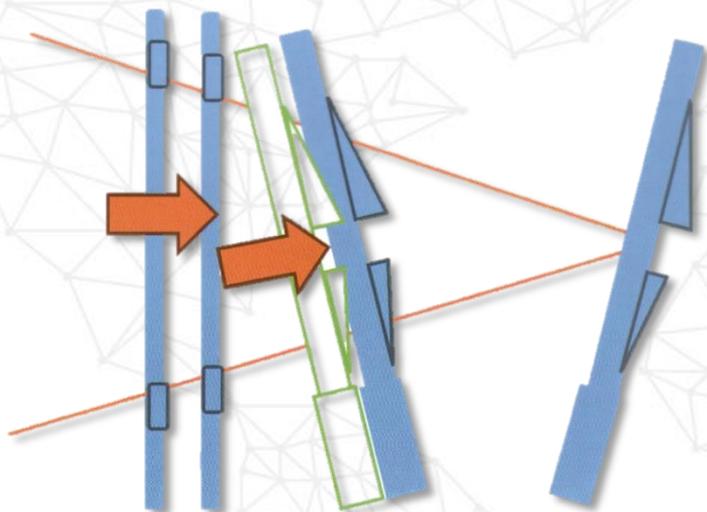
Low vibration frame.

The new type wall board with low gravity center, with high rigid brace and middle support, makes the loom keep low vibration at high speed.

Stable let off.

The external double back rest let off system makes the warp let off in stable angle, tension control is more accurate, external structure makes adjustment and maintenance more easier.





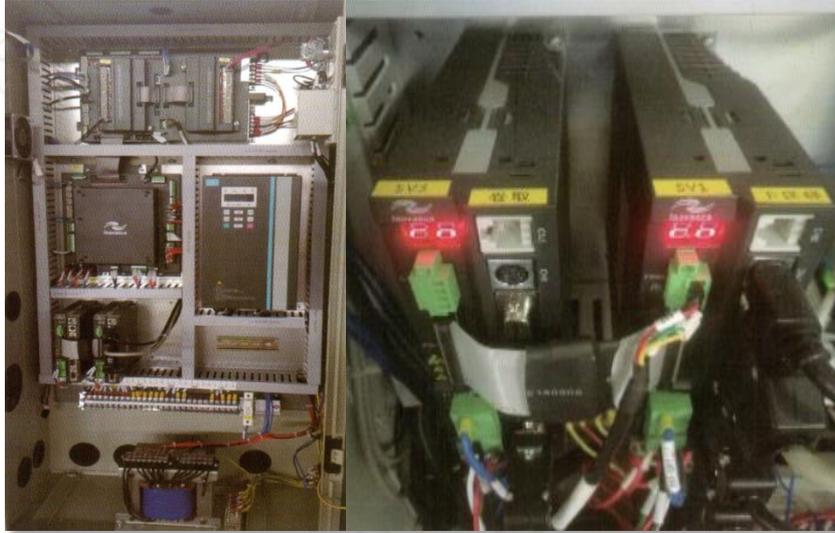
Balance beating.

Adopt offset rocking shaft for beating system to realize dynamic balance beating. The beating force is well imported and the beating vibration is much reduced. It ensures the loom have high performance when weaving high-count & high-density fabric.

Clear shedding.

Adopt shortened beating stroke and the reinforced essential driving parts for high speed weaving. By placing the heald frame as close to the cloth fell as possible while keeping the shedding amount, the shedding angle is increased and the defective shedding is reduced. Stable and high speeding shedding is realized.



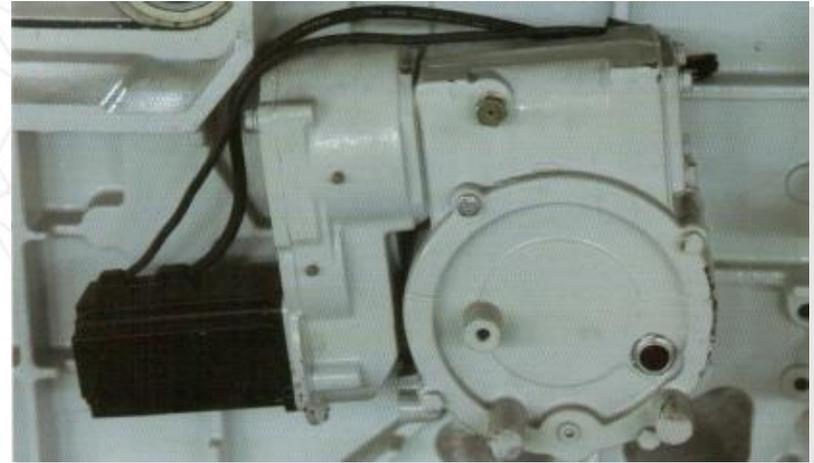


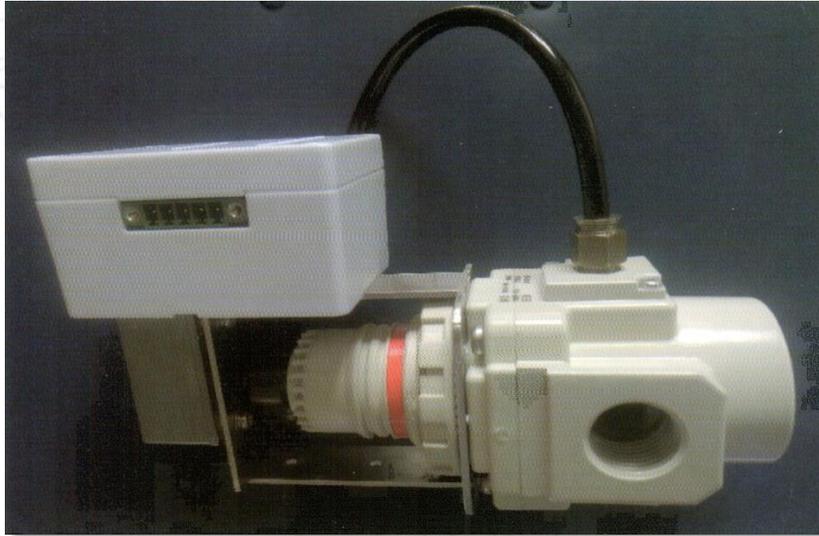
The electronic control system equipped with USB interface to facilitate data transmission, and it supports multi-weft density switching during the weaving process, expands the weaving range, and increases the added value of the fabric.

New electronic control system.

With the help of the weaving navigation and automation system, the automatic setting of weaving parameters and the real-time monitoring of the running status are realized.

The operating data of the loom can be retrieved at any time for failure and weaving analysis.



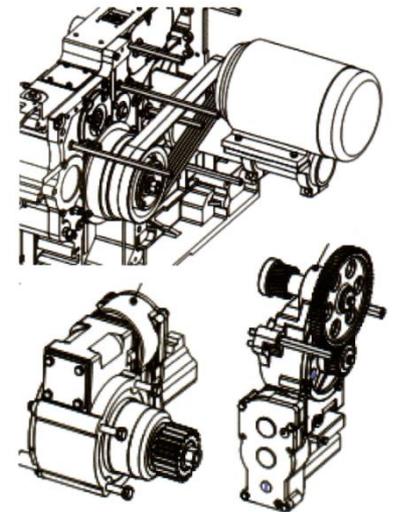


Automatic air pressure adjustment

The air pressure automatic adjustment system can automatically adjust the air pressure according to the real-time conditions during weaving. While ensuring the high-speed and efficient weaving, it can minimize air consumption, waste, and workload.

Rush start motor

The rush start motor is equipped with individual inverter, which can change the speed during weaving process at will to meet different weaving demand.



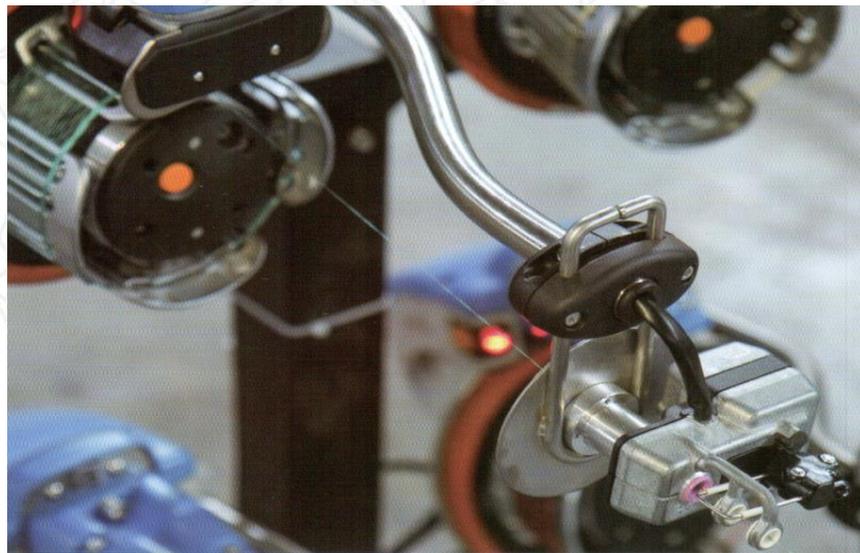


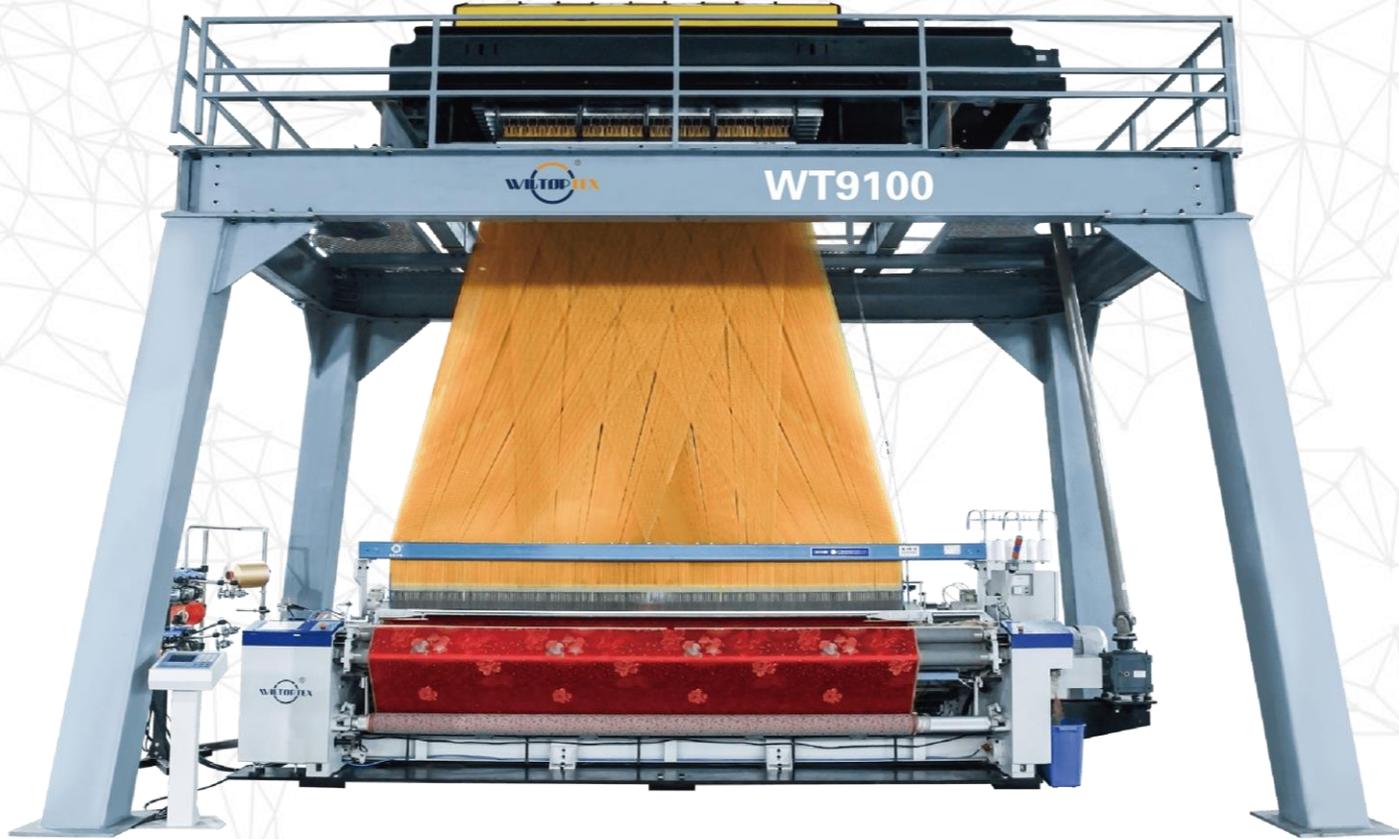
Weft insertion ABS control

Avoid weft insertion failure caused by the weft yarns' peak tension during high speed weft insertion movement, greatly alleviate the tension of the weft yarn, and improve the quality of weft insertion and operation efficiency.

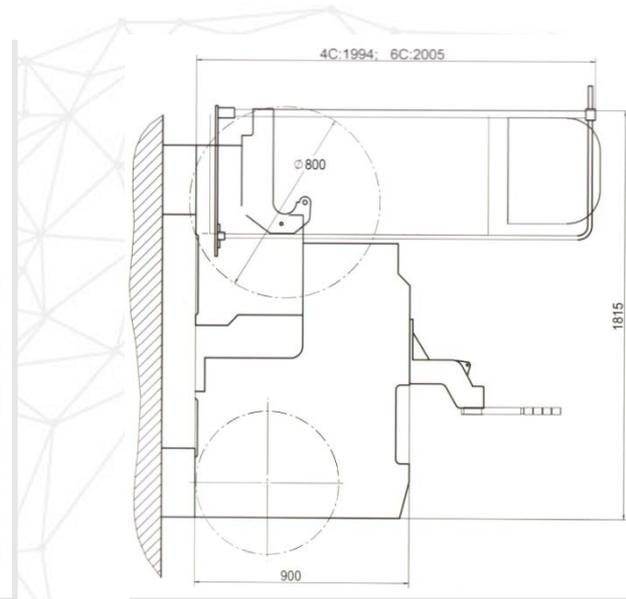
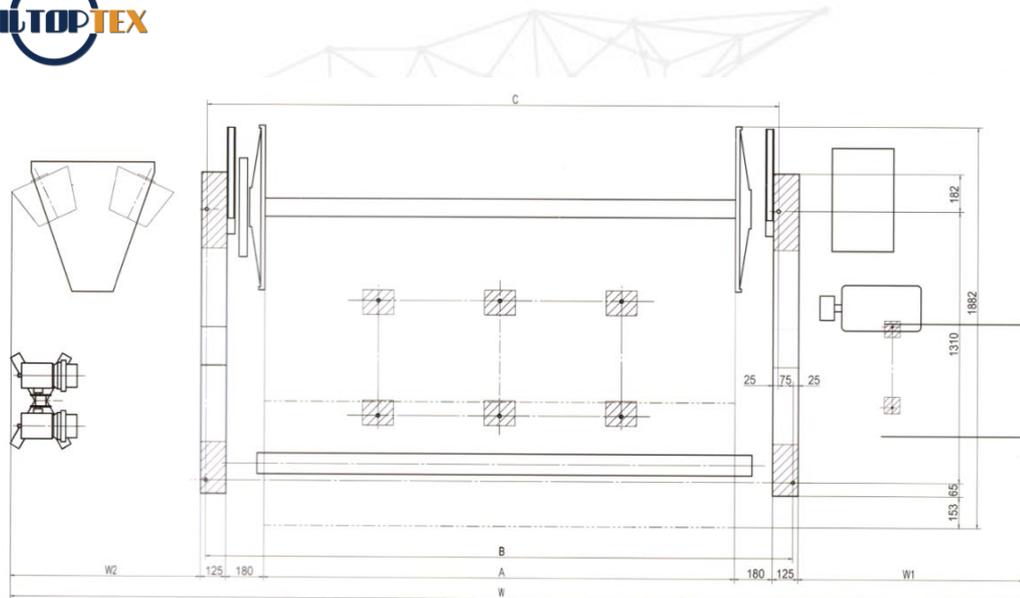
Electronic selvage

Independent electronic selvage system individually control the selvage shedding moment, which makes the selvage perfect and increased the working width of loom.





Jacquard shedding for high value-added weaving



选色型式	W2
2C, 4C	1015
6C	1045

凸轮型式	W1
S1351	955
BT6810A	1100

多臂型式	W1
S2658	1045
S2678	1059

R/S	A	B	C	W			
				2C,4C		6C	
				S2658	S2678	S3060	S3220
190cm	1900	2460	2385	4570	4617	4600	4669
210cm	2100	2660	2585	4770	4817	4800	4869
230cm	2300	2860	2785	4970	5017	5000	5069
250cm	2500	3060	2985	5170	5217	5200	5269
280cm	2800	3360	3285	5470	5517	5500	5569
340cm	3400	3960	3885	6070	6117	6100	6169
360cm	3600	4160	4085	6270	6317	6300	6369

R/S	A	B	C	W			
				2C,4C		6C	
				S1351	BT6810A	S1351	BT6810A
190cm	1900	2460	2385	4480	4625	4540	4655
210cm	2100	2660	2585	4680	4825	4740	4855
230cm	2300	2860	2785	4880	5025	4940	5055
250cm	2500	3060	2985	5080	5225	5140	5255
280cm	2800	3360	3285	5380	5525	5440	5555
340cm	3400	3960	3885	5980	6125	6040	6155
360cm	3600	4160	4085	6180	6325	6240	6355

Item	Specification	Optional
Reed Space	Nominal: 190、210、230、250、280、340、360 cm	
	Useful range: reduction from nominal 0~60cm (190-250cm): 0~80cm(280~360cm)	
Yarn Range	Spun Ne100~Ne2.2	
	Filament: 56 dtex~1350 dtex	
Weft Selection	2-color、4-color、6-color	8-color
Drive	Direct drive main motor Magnetic brake control position stop directly	Programmable start, in-built inverter, can change speed during weaving.
	2.2kW (crank shedding) 3.0kW(cam shedding), 3. 7kW(Dobby shedding). 5.5kW~7.5kw (Jacquard shedding) Push button operated by both hands	
Weft Accumulator	Electronic FDP weft accumulator	ABS control, air balloon breaker.
Weft Insertion	Main nozzle and sub nozzle combined system	Stretch nozzle. Independent timing auxiliary nozzle
	Automatic insertion control, 1 st pick control.	
	High frequency energy saving double nozzle valve	
	Auxiliary nozzles control colors separately	
Shedding	Crank shedding: 4 shafts	Manual leveling(Positive cam)
	Negative cam shedding: 8 shafts max	
	Positive cam shedding: 10 shafts max	
	Dobby shedding: 16 shafts max	
	Jacquard shedding	
Let Off	Electronic let-off by servo motor.	Up & Down beam
	Double roller electronic let-off with automatic reverse function	Twin beam.
	Flange diameter Φ800mm	Flange Φ914mm、Φ1000mm、
Take-Up	Electronic take-up by servo motor	Batching motion 720mm
	Pick density: standard 15~300 picks	
	Max take-up diameter: Φ600mm(cam, doobby Jacquard shedding) Φ520mm (crank shedding)	
	Weaving length counting display. (m,yd,pick)	



Beating	Crank type beating, multiple sley sword beating	
	4 links (narrow width)、6 links(wide width)	
Bobbin Frame	Floor type 4 bobbins(for 2-color),Floor type: 8 bobbins (for 4-color)m Floor type 10 bobbins (for 6-color)	
Selvage	Planetary gear leno selvage	Electronic planetary gear leno.
	Magnetic leno.	Center leno device.
Waste Selvage	2 rollers take-up; gear take up	
Weft Cutter	Mechanical weft cutter	Electronic weft cutter
Lubrication	Oil bath system for main driving parts, centralize lubrication system(Manual grease)	Automatic centralize lubrication system
Auto-Stop Motion	Weft: photoelectric double weft sensor	Bobbin yarn break sensor
	Warp: Electronic 6-row contact bar system	Warp break indicate by row, by LH&RH side.
	Others: Automatic stop for leno yarn and waste salvage yarn break	
	Stop reason Indication: Indication on control panel and 4 color indicating lamp	Anti-hand beating sensor
Control & Automatic	Control: Multiple function computer control system with data setting/control/ monitor/self-diagnose/artificial intelligence interface	AFC, AJC. Centralized networked monitor system
	Pick finding: automatic pick finding	
	Slow motion(forward and reverse) by inverter	
	Others: Monitor output terminal	
	Memory card system	
	Jet automatic control	



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