



## 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 and mutual know-how, we make air jet looms, rapier looms ,high speed rapier loom and accessories, digital inkjet printers, rotor spinning machines, blowing and carding machines, etc.*

*we now export to more than 20 countries such as India, Indonesia, Uzbekistan, Pakistan, Turkey, Sri Lanka, Bangladesh, Boliva and so on. Our mission is to provide the world with superior machines and services.*

# RJW8100 WATER JET LOOM

## HIGH PRODUCTIVE

Always regard high speed performance as the basic mission of water jet looms. The "RJW8100" takes advantage of the strong frame structure, Integrated wall panel design, the more stable weft insertion performance, the reasonable opening and beating up mechanism, and so on.

## HIGH GRADE

Through the strong frame structure, the strengthening of the let-off and shorten the weaving cloth road before the weaving, greatly enhance the beating up performance, high density manufacturing.

## GOOD OPERABILITY

"RJW8100" is developed with the goal of simple operation. It reduces the position line and improves the operation simplicity

## ENHANCE VERSATILITY

It is possible to stabilize weaving by shortening the weaving path. Fabrics from thin to coarse yarn, from narrow to wide, and even unbalanced fabric, are expected to correspond to a wider range of woven products.

By shortening the nozzle spacing, the difference of the weft insertion state between the first nozzle and the second nozzle is also very small. Even if the loom runs at high speed, uniform weft insertion can be achieved.



1. Use short stroke to beat the weft, adapt to high-speed weaving, and reduce the damage of reed to fabric;
2. From the mouth to shorten the fabric take-up roller thorn cloth length, reduce the spring back, improve the stability of the textile export;
3. Integrated wall panel, rack increase longitudinal support, improve rack stability;
4. Eccentric shaft structure, reducing vibration beating;
5. 1-4 color crank opening or crank 6 linkage configuration;
6. Stable beam tension structure of negative slack;
7. Line of position to reduce the height of 40mm, which not only reduces the loom focus, improve the stability and easy operation;



# RJW508 WATER JET LOOM

RJW508 series is high quality water jet loom developed for adaptability of fabric and reducing producing cost, which ranges from common fabric to heavy high value-added one.

## HIGH SPEED

Our research of strong frame structure, makes stable running machine and reduces vibration when high speed.

## ADAPTABILITY

Eccentric beating, greatly improves beating force. Different width, we can adjust eccentric number. High beating force, focuses on high weft-density fabric.

## ECONOMIC

Standard specification is Motor X, saving 8%-25% power than common one. Higher speed, higher efficiency, stably improves producing output; Better adaptability that is high tension, high weft density all can do. More stable frame, reduces abrasion of small parts



# RJW408 WATER JET LOOM

**Robust frame structure:** Detached sturdy double-sided box frame which reduces vibration at high-speed operation. Low vibration makes the weft insertion and beating motion more stabilized. Oil bath main drive system ensure stable high-speed performance.

**Stable weft insertion at high speed:** Improved weft insertion angle, perfect beating curve suitable for all kinds of chemical fiber materials; Improved shedding and warp yarn tension ensure differentiation fabric weaving at high quality.

**Stable running:** the robust frame structure, rigid let off and take up stabilize the loom running and the weaving range is increased from thin to middle-thick fabric, and from low to high density fabric. Even weave fabrics of complicated or unbalanced construction the vibration is low.

**Upgraded four-bar beating-up structure** efficiently reduced vibration; More reasonable plunger, pump spring, nozzle, column check valve design extend the running life.

**More accurate tension follow-up system** prevent the weaving marks during weaving and efficiently reduced warp break. The warp beam stabilizer makes it easier for weaving high tension, high density fabric.

RJW408 designed a more robust fabric support structure and a take-up roller structure that is more tensile and more resistant to fabric slippage. The stable warp opening not only reduces the marks of various fabric and makes high-tension high-weft fabric easier to weave.



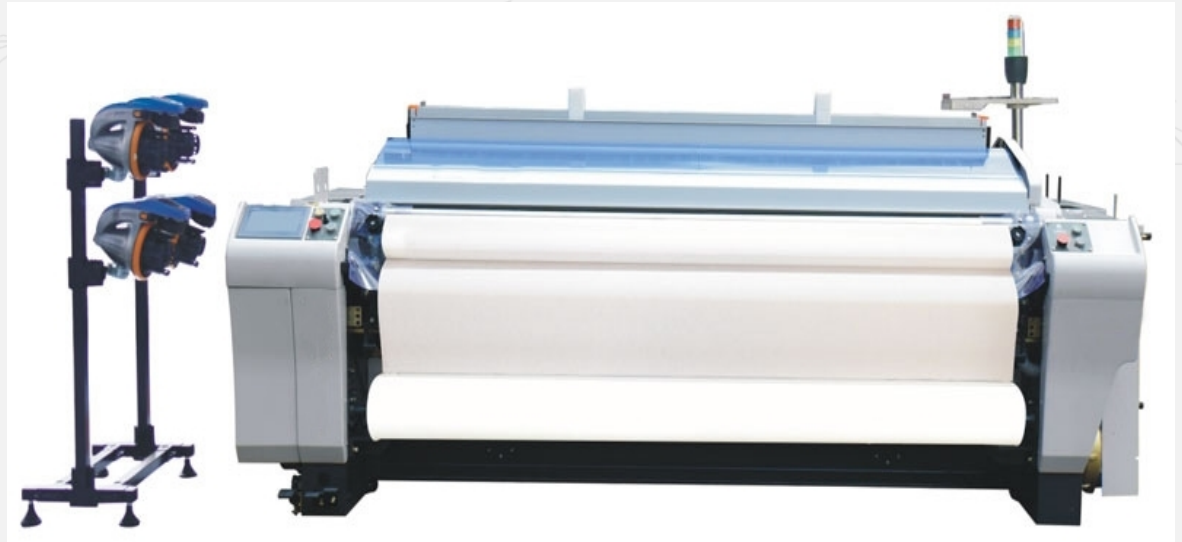
- 1.Optional: mechanical let-off, mechanical take up, electronic let-off, electronic take up.
- 2.Optional: 1-6 nozzle electric weft selecting freely.
- 3.Configurable shedding devices: crank; cam : dobby; jacquard.
- 4.Optional reed width:135,150,179.190,210,230,260,280.300,320,340,360CM.
- 5.The weft density range: 4-100 pick/cm (depends on actual fabric structure and yarn. count)
- 6.Maximum speed: 1100RPM (depends on actual fabric type and weaving environment)
- 7.Head frame : crank 2-8 shafts; cam 2-14 shafts; dobby 16 shafts.
- 8.Install power: 1.5kw-5.4kw

# RJW881 WATER JET LOOM

RJW881 design based on RJW851 series water-jet loom, which is optimizing the main component and frame structure, improving the beating-up, let-off mechanism and take up mechanism, installing assistant device on let-off mechanism, all of this ensure the running stably and reduce vibration and noise, increase efficiency and enlarge the weaving range.

RJW881 designed a more robust fabric support structure and a take-up roller structure that is more tensile and more resistant to fabric slippage. The stable warp opening not only reduces the marks of various fabric and makes high-tension high-weft fabric easier to weave.

Widen the middle plate, increase the stress area of the machine, and make the machine run more stably.  
Strengthened beam support, more stable frame, less vibration.



Optional: mechanical let-off, mechanical take up, electronic let-off, electronic take up.

Optional: RDP mechanical measuring & storage device, 1-6 nozzle electronic weft selecting freely.

Configurable shedding devices: crank; cam; dobby; jacquard.

Optional reed width: 135,150,170,190,210,230,260,280,300,320,340,360CM.

The weft density range: 4-100 pick/cm (depends on actual fabric structure and yarn. count)

Maximum speed: 900RPM (depends on actual fabric type and weaving environment)

Heald frame : crank 2-8 shafts; cam 2-14 shafts; dobby 16 shafts.

Install power:1.5kw-5.4kw.





# RJW851 WATER JET LOOM

RJW851 designed, base on RJW821 series water-jet loom, which is optimizing the main component and frame structure, improving the beating-up, let-off mechanism and take up mechanism, installing assistant device on let-off mechanism, all of this ensure the running stably and reduce vibration and noise, increase efficiency and enlarge the weaving range.

RJW851 designed a more robust fabric support structure and a take-up roller structure that is more tensile and more resistant to fabric slippage. The stable warp opening not only reduces the marks of various fabric and makes high-tension high-weft fabric easier to weave.



Optional: mechanical let-off, mechanical take up, electronic let-off, electronic take up

Optional: RDP mechanical measuring & storage device, 1-6 nozzle electronic weft selecting freely

Configurable shedding devices: crank; cam; dobby; jacquard.

Optional reed width:135,150,170,190,210,230,260,280,300,320,340,360CM.

The weft density range:4-100 (depends on actual fabric structure and yarn. count)

Maximum speed :900RPM (depends on actual fabric type and weaving environment)

Heald frame: crank 2-8 shafts; cam 2-14 shafts; dobby 16 shafts

Install power: 1.5kw-5.4kw



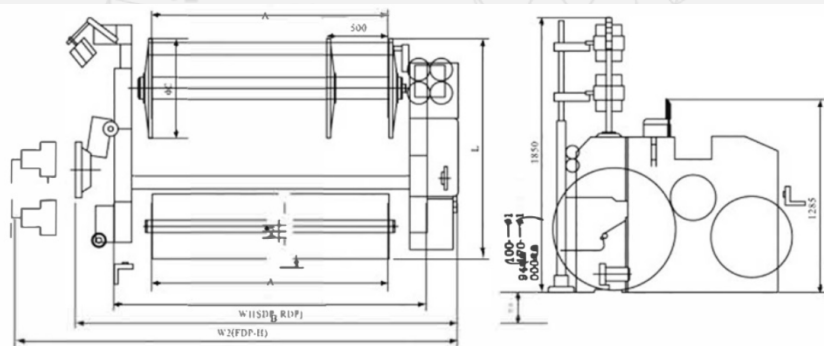
# Specification

Type		RJW8100	RJW508	RJW408	RJW881	RJW851
Nominal reed width (cm)		150, 170, 190, 210, 230, 260, 280, 320, 340, 360 (cm)				
Usable reed width (cm)		Reduction 0-60cm from nominal				
Frame		Both sides gear box (oil bath lubrication)+chest beam structure				
Driving	Brake	Direct stop mechanism by an electromagnetic clutch brake				
	Control	Push and touch button(Arrange,run,stop,forward inching				
	Motor	Rush start motor				
	Motor capacity	1.5kw, 1.8kw, 2.2kw, 2.7kw, 3.2kw, 3.7kw, 4.5kw, 5.2kw, 7.2kw, 7.5kw				
Beating		Crank connecting rod				
Let-off	System	Mechanical continuous / electronic Single beam / Up & down beam				
	Warp Beam Size	Φ800mm, Φ914mm, Φ1000mm				
Take-up	System	Mechanical continuous / Electronic take-up				
	Pick Density	Standard:5-60picks/cm / Customermised :3-70picks/cm				
	Cloth Diameter	Inbuilt 520mm / Outbuilt 600 mm / Batcher Maximum800mm				
Shedding	Crank Shedding	2, 4, 8 shafts for 1/1 weaving				
	Cam Shedding	2~10 shafts for plain,twill,satin weaving				
	Dobby Shedding	Positive/negative 16 shafts. Electronic / Mechanical for plain,twill,satin and complex design weaving				
	Jacquard	1408 2688 5120 hooks electronic jacquard device				
Weft Insertion	Measuring & Accumulator	300RDP type mechanical measuring turbo blower(single nozzle) / Electronic weft feeder (1-6 nozzles)				
	Pump	Type MS / MH; Single pump / Double pump structure				
	Plunger Of Pump	Ceramic plunger Φ 32/17, 32/18, 36/20, 36/22, 36/24, 36/26, 39/28, 39/30, 42/32				
	Nozzle Needle	T20/10, T30/10, T45/20, TL50-00, TL65-20, TL75-40, T75-40, TL90-40				
	Colors	1~6				
	Filling Feeler	Photoelectric weft feeler, optical fiber type				
Selvage		Planetary gear selvage				
Electronic Part	Domestic / Imported	Main control board, AC contactor, Transformer, Frequency converter. NC interface, Selvage break system,Waste yarn break system,Over heating & over load protection				
	Electronic meter counter	Count and display: Rotational speed, Total yield, Team yield, Total efficiency, Team efficiency, Fixed length automatic stop.				
Accessories		Cloth roller; Weft density gear; Waste selvage bucket; Nozzle needle				



# Machine Dimension

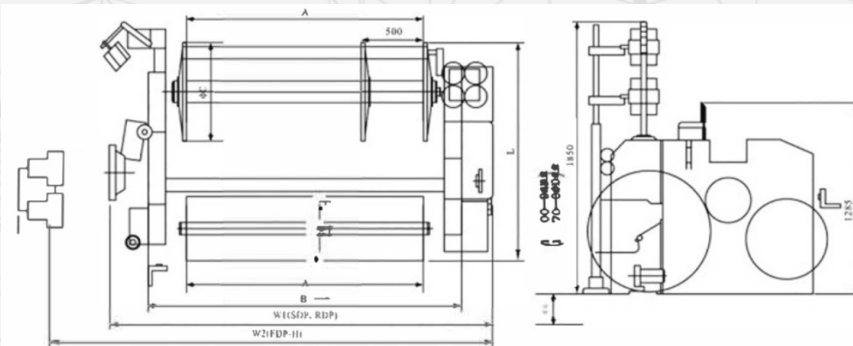
## RJW508 RJW408 RJW881 RJW851 SERIES



箱幅	A	B	W1		W2	
			1C(SDP, RDP)		2C(FDP-H)	
			曲柄	多臂	曲柄	多臂
150cm	150	2070	2750	2775	3250	3275
170cm	170	2270	2950	2975	3450	3475
190cm	190	2470	3150	3175	3650	3675
210cm	210	2670	3350	3375	3850	3875
230cm	230	2870	3550	3575	4050	4075
280cm	280	3370	4050	4075	4550	4575
320cm	320	3770	4450	4475	4950	4975
340cm	340	3970	4650	4675	5150	5175
360cm	360	4170	4850	4875	5350	5375

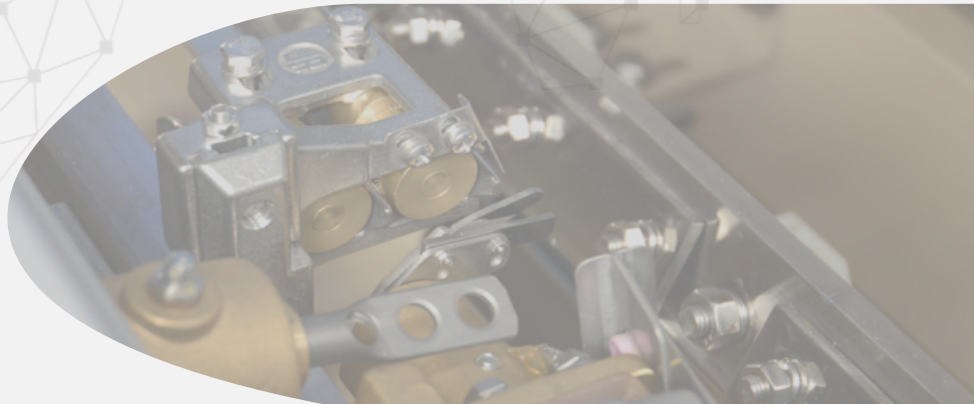
边盘 c C		800	914	1000
布卷直径 c D		520	520	520
L	RJW508	1740	1903	1979
	RJW408	1740	1903	1979
	RJW881	1765	1903	1979
	RJW851	1735	1903	1979

## RJW8100 SERIES



箱幅	A	B	W1		W2	
			1C(SDP, RDP)		2C(FDP-H)	
			曲柄	多臂	曲柄	多臂
150cm	150	2070	2750	2775	3250	3275
170cm	170	2270	2950	2975	3450	3475
190cm	190	2470	3150	3175	3650	3675
210cm	210	2670	3350	3375	3850	3875
230cm	230	2870	3550	3575	4050	4075
280cm	280	3370	4050	4075	4550	4575
320cm	320	3770	4450	4475	4950	4975
340cm	340	3970	4650	4675	5150	5175
360cm	360	4170	4850	4875	5350	5375

边盘 ¢ C		800	914	1000
布卷 直径 ¢ D		520	520	520
L	RJW8100	1860	1974	2060





HangZhou Wiltop Textile Machinery Co., Ltd.

Telephone: 86-571-88383785

Email: wiltoptex@yahoo.com

Room 1008, No.707 Jianguo North Road, Hangzhou, Zhejiang, China

<http://www.wiltop.com.cn/>