



CARROTY

Weaving Equipement Pvt. Ltd.

CRT XY 9500 AIR JET LOOM



CRT XY 9500 is designed with the concept: provide the high performance airjet loom with economical price for our customer. it can weave high-quality fabric with lower cost, to realize the maximization of investment gains, to guarantee winning victory in the keen market competition

CRT XY 9500 AIR JET LOOM



HIGH SPEED New weft insertion, new frame structure and high speed CPU, ensure the running speed maximum 1200RPM.

LOW ENERGY CONSUMPTION New weft insertion and main nozzle energy saving optimal design realize less air consumption.

LOW VIBRATION Using 3D design and computer analysis to optimize the frame structure, including the cross rail connections, and to realize Lightning design and optimum balance of the beating motion. These improvements ensure lower vibration with high-speed operation.

FLEXIBILITY & WIDE APPLICABILITY A full range of standard equipment and a variety of options can weave fabrics that were previously mostly woven by rapier looms, including wide home furnishings fabric, stretch fabric, fabric of different yarn types and counts, airbags, seersucker and fabric with tuck-in selvages.

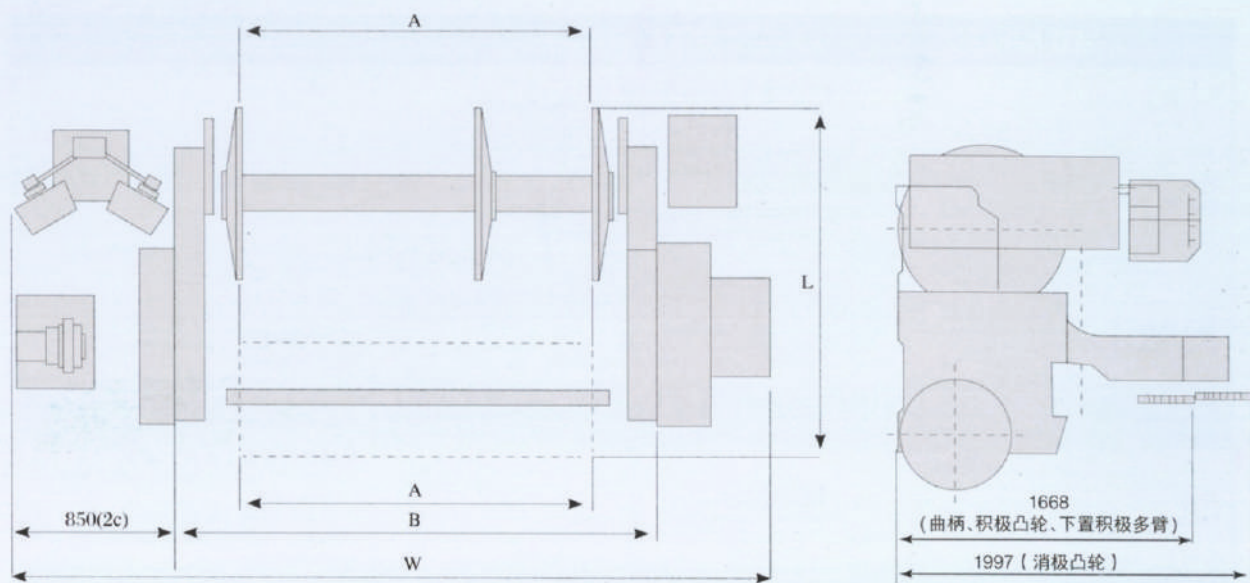
EASY OPERATION & NEW ELECTRONICS Relatively lower machine, upper temple are both good for the operator; a new internet-ready color function panel with enhanced communication capability and a new, faster CPU.

Specifications

Item		Specifications	Option
Reed Space	Nominal	150,170,190,210,230,260,280,340,360,380,420	
	Useful reeding width	Same as nominal width Maximum reduction: 0~60cm (150-250cm)	Same as nominal width Maximum reduction: 0~80cm
		0~80cm (280cm)	
Weavable Range		Spun: Ne 100~Ne 2.5 : Ne100 - Ne2.5 Filament : 56 dtex - 1350 dtex	
Filling Selection		1-color, 2-color mixing, 2-color at-will, 4 colors, 6 colors	
Power		Direct start of rush-start motor drive	Programmable Speed Control
		Push-button operation with both hands	
		2.2kw, 3.0kw, 3.7kw, 6.5kw, 7.5kw	
Filling Insertion		Main and sub-nozzles combined system, pro le reed,auxiliary main nozzle	WBS FIC
		New solenoid valve with built-in manifolds	
		Independent sub-nozzle timing control by color	
		AJC Auto Jet Controller, First pick Control	
Shedding		Crank plain shedding: Shaft number: 4 or 6	
		Positive cam shedding: Shaft number up to 10	
		Negative cam shedding: Shaft number up to 8	
		Dobby shedding (Electronic, Positive, Floor-mounted): Shaft Number up to 16	
		Jacquard shedding	
Let-off		Electronic let-off (ELO), with kickback function	
		Twin beam	
		Negative easing	
		Positive easing	
	Flange diameter	800mm, 914mm, 1000mm	
Take Up		ETU	Automatic density change function (8 kinds of densities)
	Maximum on loomtake-up diameter	600mm, 520mm 600mm (Cam, body, jacquard shedding), 520mm (Crank shedding)	
	Pick density	5.9~118.1 (25~300) ETU: 5.9~118.1 picks/cm	ETU: 5.9~118.1 picks/cm
	Woven length counter	Display on I-Board (meter, yard), with preset counter function	
	Temple	Top-mounted type (Inclined cloth passage toward loom front)	Low-mounted type

Specifications

Item		Specifications	Option
Beating		Crank type beating, multiple sley sword beating:	
		4 links (Reed Space up to 230 cm)	
		6 links (Reed Space up to 250 cm or more)	
		Intermediate rocking-shaft supporter, Rocking balancer	
Measuring & storage		Brushless DC motor weft accumulator	Balloon breaker
Filling supply stand		Floor mounted for 4 packages (2 colors), Floor mounted for 8 packages (4 colors)	Floor mounted for 10 packages (6 colors)
Selvage		Planetary gear motion	Mechanical tuck-in device (Left & right, intermediate) Air control tuck-in device (Left & right, intermediate)
Waste filling removal		Catch cord type (3-roll type), catch cord type (Gear type)	
Cutter		Mechanical cutter	Electrical cutter
Lubrication		Oil bath system for main driving parts, centralized lubrication (Manual grease)	Automatic grease
Stop motion	Filling yarn	Re active weft feeler	
		one-head system, two-head system	
	Warp yarn	Electric 6-row contact bar system	Rotary sensor
	Others	Stop motion for selvage & catch cord yarn	
	Stop cause indication	Indication by message on I-Board	
		4-color multi-function indication lamps	
Auto mation		Data setting, automatic control, monitoring, self-diagnosis function	
	Pick finding	Automatic Pick Finder	
		Slow inching by inverter (Forward, reverse)	
	Others	Network application	
Special		Selvage jacquard	



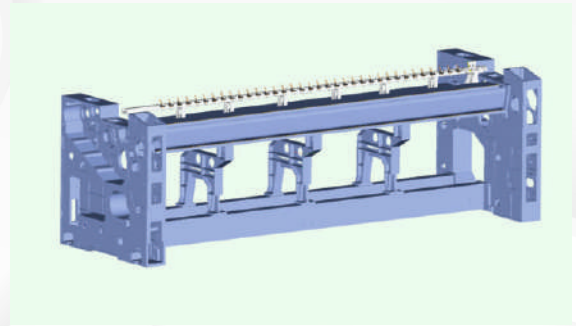
		190(75")	210(83")	230(91")	260(102")	280(110")	340(134")	360(142")
	CRANK	3995	4195	4395	4695	4895	5495	5695
	CAM	4009	4290	4490	/	/	/	/
w(2c)	(SATUBLI:1661)	4335	4535	4735	5035	5235	5835	6035
	(SATUBLI:2861,2871)	4430	4630	4830	5030	5330	5930	6130
A		1900	2100	2300	2500	2800	3400	3600
B		2540	2754	2940	3140	3440	4040	4240

Flange dia	800
L	1920

Design for high speed

- **STRONG FRAME STRUCTURE AND STRUCTURE OF BEATING BALANCE**

The robust frame structure, mainly composed of a strong box frame on both sides and beams and intermediate rocking supports, ensure stable running and vibration resistance. Meanwhile, adding the beating balance structure, ensure low noise and less vibration even at high speed on the wide loom.

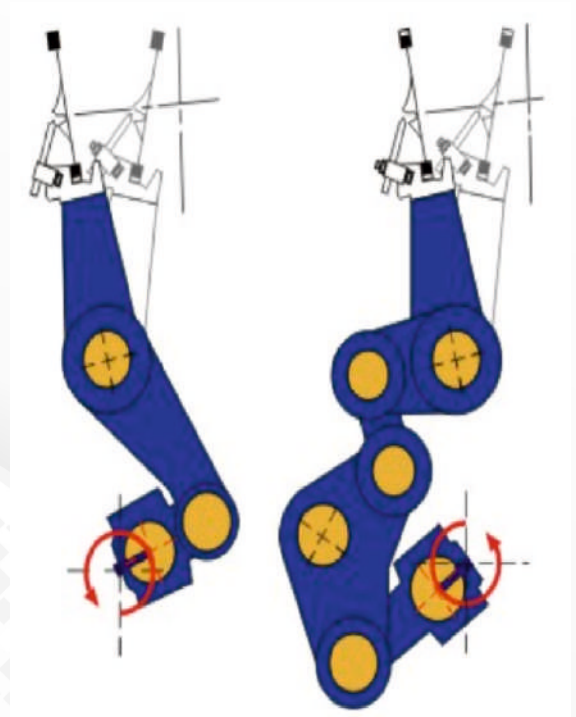


- **OPTIMUM DESIGNED LINK BEATING MOTION**

By optimizing the link mechanism against the conventional model, an expanded dwell angle has to be attained. Under the same condition of the warp shedding amount, it is possible to ensure timing for longer weft insertion. Defective shedding is reduced, improving the loom operation.

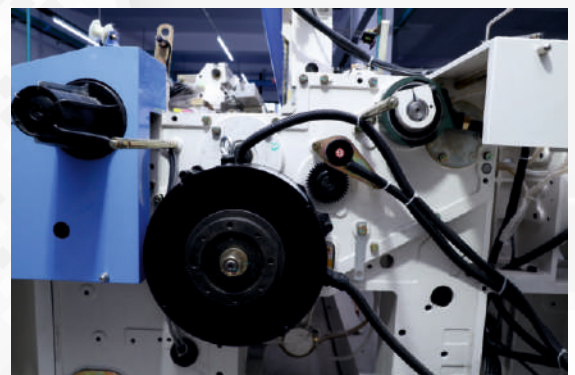
A 4-link rod beating-up mechanism is of short stroke, small vibration, and can affect strong beating-up while high-speed operation, suitable to high-speed narrow loom. It works excellently at ultra-high speed and a short connecting rod is used for standard looms.

A 6-link beating motion with more time allowance for filling insertion is used for wider looms, thus achieving more stable filling insertion. It can prolong the time for the opening of warp, and weft, more suitable for wide loom weaving.



- **DRIVING- PERMANENT MAGNET MOTOR**

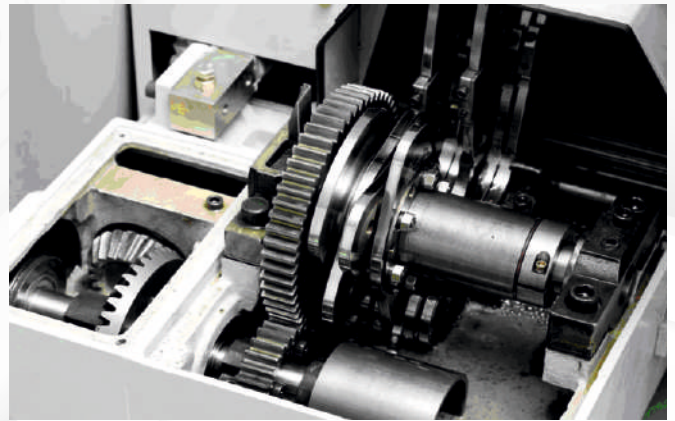
This air jet weaving loom machine is equipped with a new permanent-magnet motor. This motor system delivers high-power torque at starting, enabling increased beating power for the first pick, eliminating stop marks, and contributing to high-quality production.



Multiple Shedding Motion

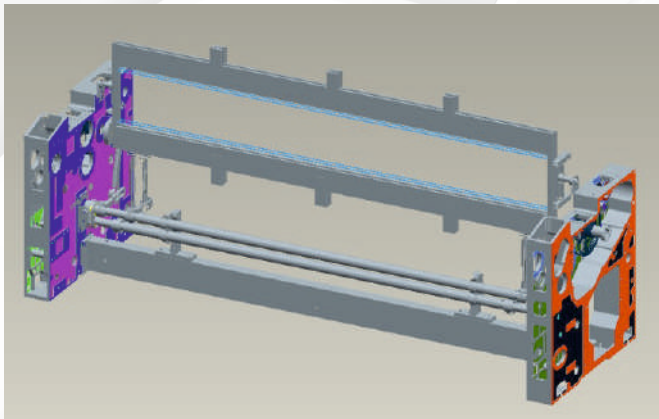
- **Negative Cam Shedding Device up to 8 Heald Frames**

Negative cam shedding device up to 8 heald frames : The negative cam opening device adopts a negative cam motion suitable for ultra-high speed operation. Good warp shedding is designed, which is suitable for weaving plain, twill and satin fabrics.



- **Negative Cam Shedding: Max.6 Shedding Frames**

It is ideal for highquality plain structure fabric.



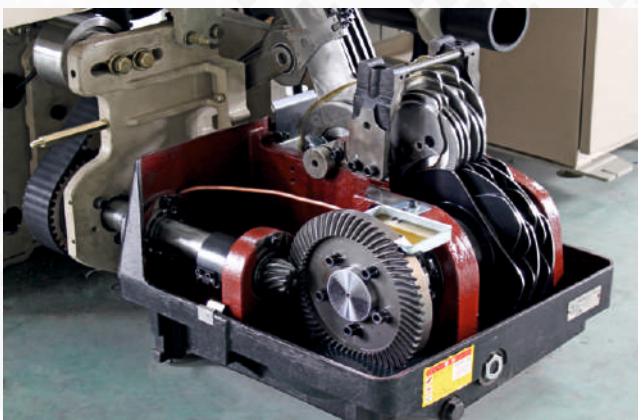
- **Dobby Shedding: Max.16 Shedding Frames**

It can weave high value-added products such as plain\twill\satin small jacquard fabric.



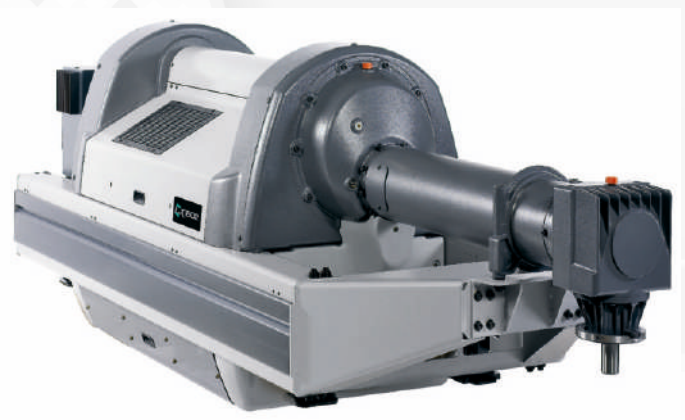
- **Positive Shedding: Max.10shedding Frames**

It can weave plain\twill\satin fabric. It is ideal for high-density spun fabrics and wide loom.



- **Jacquard**

All kinds of jacquard fabric.





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