

LET-OFF AND TAKE-UP SYSTEM



ELO : electric let-off

Overall yarn tension will be detected by tension sensor, and then signal will be processed by CPU, which will control the feeding of warp according to the real-time cloth roll diameter, in the same time, servo motor will control to form even tension to eliminate unbalanced distribution of warp and weft during start up.



ETU : electric take-up

An AC servo motor is used in ETU system and controlled by computer which enables it to synchronize with machine and control beating density. Weft density can be set simply on touch screen, no need to replace change gear. What's more, by linkage with ELO, stop times are effectively reduced.

WEFT INSERTION DEVICE



Electric Feeder

Electric feeder is able to weave a wide variety of yarns, it is able to automatically adjust to meet the feeding characteristic, therefore the fluctuation of yarn tension is reduced to the lowest and weft insertion is made more smooth and stable. The optical feeler of two probes is not only able to detect short weft or missing weft, but to detect the occurrence of broken weft and over-long weft.



Auxiliary Main Nozzle

Weft will be inserted at low air pressure, to prevent damage to waft. Therefore, the machine is able to maintain stable performance during high speed running or wide weaving situation where weft is easy to get relaxed.



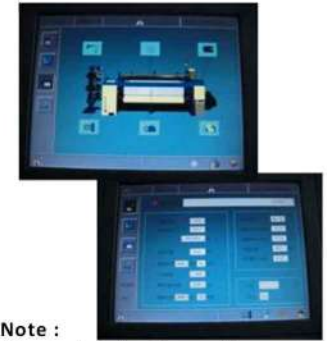
Stretch Nozzle

Stretch nozzle is especially useful to process loose-easy yarn. The nozzle works by pressing air to tightly hold weft.

1. Big size touch screen is used, easy for operation. Man-computer interface is strengthened. It is able to diagnose existing problem on its own, and display the cause of stop.
2. The operator is able to change and type in new setting specification on the touch screen.
3. Certain specification can also be stored in the computer via memory card.
4. If one sets the machine to stop once certain length of cloth is finished, cloth inspection process will be finished smoothly.
5. Personal performance of one operator can be

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!



Shedding Mechanism In Loom

Different shedding types are available like positive cam shedding and dobby shedding, suitable for weaving plain, stain and twill fabric. The shedding is clearer, wefts pass easily, therefore, production efficiency is increased. Cam gear box is lubricated with oil bath, more stable.



1. Negative cam shedding : works with 8 pieces of heald frame at most. This cam box is designed with excellent shedding, suitable for running at high speed, also easy to replace with new cam. It is suitable to produce such fabric as plain, twill and satin.
2. Crank shedding : works with 4 pieces of heald frame, suitable to produce high quality plain fabric.
3. Positive cam shedding : works with 8 pieces of heald frame at most, suitable to produce such fabric as plain, twill and satin. It is most mounted on heavy-duty or extra-wide type loom.
4. Dobby shedding : working with 16 pieces of heald frame at most, suitable to produce such high value-added fabrics as plain, twill, satin and small jacquard.