Rieter J 10 Airjet spinning machine

The J 10 air-jet spinning machine presents an innovative technology that is also based on Rieter's leading and proven know-how in the area of drafting and automation. J 10´s modular and double-sided concept enables top level production flexibility.The unique quality features of the ComforJet® yarn manifest benefits for spinners, in processing and for final end-users. High speed features in yarn delivery and winding put this machine at the top of the productivity rate scale.

Economy

- The J 10 comprehensive high speed concept with individually driven winding system allows delivery speeds of up to 450 m/min.
- The unique sliver traversing system reduces wear of top rollers and consequently maintenance and spare parts costs.
- The J 10 machine is fully automated with robots performing piecing at the start-up of the machine, piecing after a break or a quality cut and doffing of full packages.

Quality

- The piecing process on the J 10 machine is fully electronically controlled. The system allows defining of the optimum piecing length which results in a perfect piecing appearance.
- Yarn and piecings are checked by an integrated state-of-the art USTER QC2 quality monitoring system. All values can be set and read from the touch screen operating panel.
- The perfect package built-up is a result of the anti-patterning function and a system electronically monitoring the yarn tension over the package.

Flexibility

- The J 10 machine is designed as a double-sided machine, with two package conveyor belts and a color sensor distinguishing tubes for each machine side. This concept allows the spinning of two different yarn counts at the same time.
- All spinning positions on the J 10 machine are driven completely independently. The individual drives thus allow efficient maintenance, fast and flexible lot change and economical machine start-up.
- The J 10 features a machine control equipped with a touch screen. All data setting and info reports for the individual machine sides can be set and read with a fingertip.