



The E 76 fully automated comber (ROBOlap) in combination with E 17 SERVOTrolley by Rieter

Rieter Textile Systems develops and produces machinery and systems for manufacturing yarns and nonwovens. Rieter Textile Systems' core business is machinery and components for converting natural and manmade fibers and their blends into yarns. Rieter's innovative momentum has been a powerful driving force for industrial progress. Products and solutions are ideally tailored to its customers' needs and are increasingly also produced in customers' markets. The E 76 comber can now be combined with the semi-automatic E 17 SERVOTrolley lap transport system. All the advantages of the E 76 fully automated comber with ROBOlap can also be exploited in full in combination with E 17 SERVOTrolley.

E 76 comber with ROBOlap

The E 76 comber is equipped with the unique, fully automated ROBOlap lap changing and batt piecing system. Rieter is still the only manufacturer of fully automated combers. 74 kg/h on the new, fully automated E 76 comber or 72 kg/h on the E 66 comber – these are the effective production figures of the new combers.

The increase in output has been achieved by means of C•A•P•D 500 (Computer Aided Process Development). With 500 nips/min., up to 80 g/m batt weight, superior fiber selection and very good machine running behavior, the combers produce top quality with maximum economy. The ROBOlap fully automated lap changing and piecing system on the E 76 comber remains a unique feature.

E 17 SERVOTrolley

The SERVOTrolley has been modified for the E 76 fully automated comber. Higher lap take-off and the modified lap guidance elements ensure precise positioning of the lap on the E 76 and guarantee fully automated batt piecing with ROBOlap.



E 76 fully automated comber.

Semi-automatic lap transport systems E 16 / E 17 SERVOTrolley - Efficient lap transport for Rieter combers

SERVOTrolley, the semi-automatic lap transport system, guarantees gentle lap transport to the combers. The laps are automatically transferred from the combing preparation machine to the SERVOTrolley and automatically unloaded on the comber.



SERVOTrolley, the semi-automatic lap transport system.

Moving the SERVOTrolley and transferring the tubes to the combing preparation machine are the only manual operations performed by personnel. In addition to ergonomic aspects, further distinguishing features of this transport solution are its simple operation and highly flexible layout

The combing preparation machines can be configured so that both SERVOTrolley models (E 16 / E 17) can be loaded. Semi-automatic and fully automated combers can thus be operated in the same installation. ♦

Strahm machines and production lines for the textile industry

Strahm Hi-Tex Systems AG is working continuously to improve performance and reliability of their machinery. The company has installed pilot lines to provide customers possibilities to experiment with new processes and new products.

The shrink dryer for open width and tubular knitted fabrics, together with dewatering, overstretching and compacting machines provides a full range of equipment for textile finishing. Numerous innovations and inventions of Strahm have continuously contributed to progress in the nonwovens and textile industry. In partnership with their customers they strive to improve the efficiency of their machines and develop new technologies. some examples are:

Shrink and relax drying of tubular textiles with HiPer™ Shrink: The HiPer™ Shrink, machine for relax drying. Using the new developed nozzle system with blowing and suction nozzles increased drying capacity and much better shrinkage results. The Strahm HiPer™ Shrink fulfils all purposes of a modern continuous finishing line for knitted tubular fabrics:



- ❖ Excellent residual shrinkage values.
- ❖ Improvement of product volume.
- ❖ Creation of fabrics with soft hand
- ❖ Better dimensional stability.
- ❖ Improved appearance and product flow.

Pilot installation at the Laroche R&D center: The HiPer™ Therm:

At Laroche S.A., manufacturer of recycling machinery, opening and blending equipment as well as an airlaid web forming machine Strahm operates, in-line with the Laroche airlay, a thermobonding oven of the HiPer™ Therm series. The HiPer™ Therm at Laroche is an industrial machine and allows to extrapolate all results to machines of wider width with high accuracy. ♦