

Automatic winding
Autoconer 338, 5, X5, 6, X6

RIETER

Ecopack FX

Increasing profitability in winding
and downstream processes



Your benefits:

- Length deviation of less than 1%
- Yarn waste significantly reduced
- Profitability in winding and downstream processes increased

Ecopack FX

Work more profitably with Ecopack FX

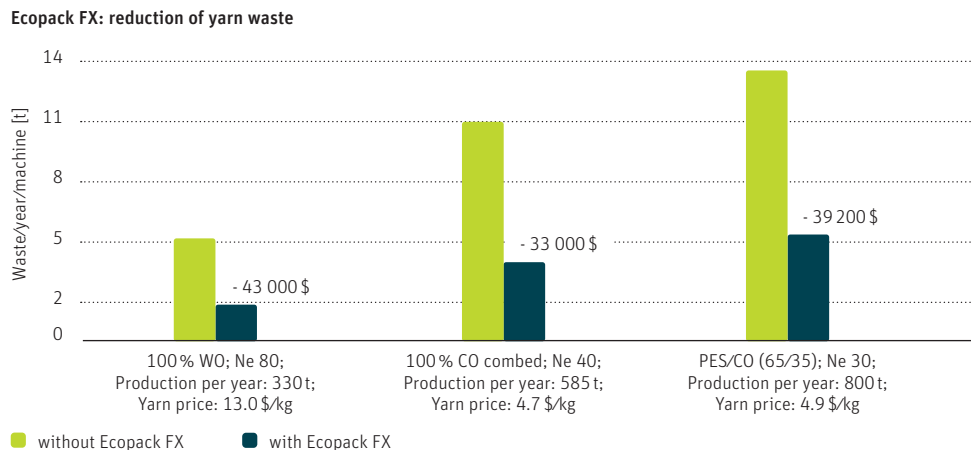
Ecopack FX is a winding machine conversion that produces quality packages with a length deviation of less than 1%. This is possible thanks to the contactless optical precision length measurement. Customers massively reduce yarn waste and increase profitability of their winding operations.

Ecopack FX – functional principle

The most important feature of Ecopack FX is the direct measuring of the yarn length in the yarn path during the winding process. By contactless scanning of the yarn contour via a sensor, the yarn is measured during the winding process in its complete length. Accuracy in yarn length calculation using the standard-length measurement can be influenced by parameters for instance a slip between package and drum, package and drum formats and the winding speed. With Ecopack FX, this does not play any role. Ecopack FX offers a higher measuring accuracy, differences in length below 1% are state-of-the-art.

Ecopack FX – benefits for both winding and downstream processes

Because of the higher measuring accuracy, a significant waste reduction can be achieved. To avoid the run out of the yarn packages before achieving the requested warp length, a safety yarn length has to be added during the winding process. Ecopack FX helps reduce safety yarn length and minimizes yarn waste. There is a significant waste reduction due to the uniform unwinding of all packages in the creel. Especially when processing fine yarns counts, for example fine combed cotton yarns, worsted yarns or compact yarns, the reduction of waste yields extraordinary cost advantages. The following graph shows an example with three yarns, in counts Ne 80, Ne 40 and Ne 30. Yarn waste can be significantly reduced with Ecopack FX.



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