

Sytec One

The solution for demanding
BCF processes

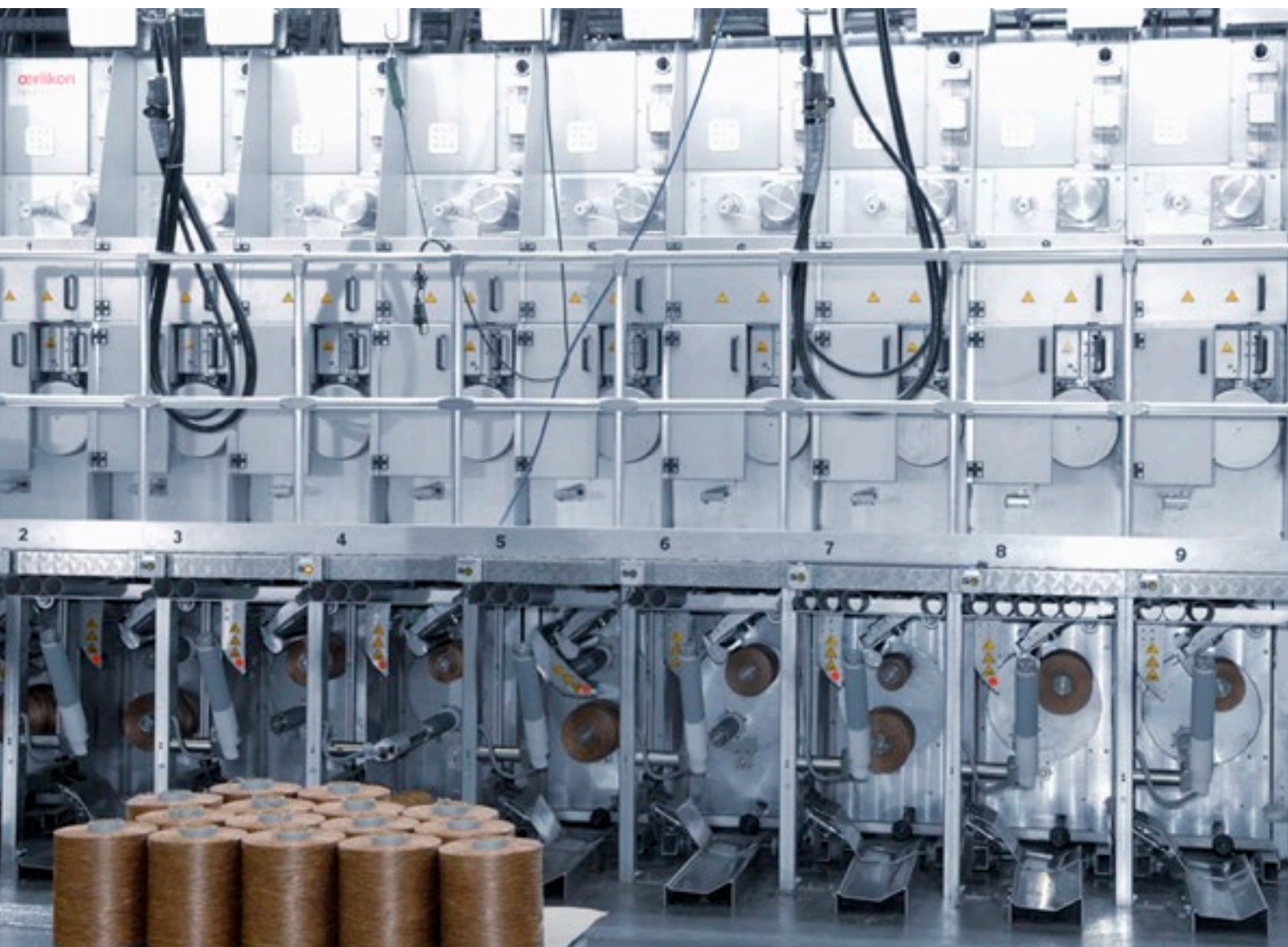


Cost-efficient BCF yarn production for demanding processes

Cost-efficient production of carpet yarns beyond commodity products can constitute a challenge. Highly standardized production systems must strike compromises with regard to throughput, quality or cost-efficiency. Do not compromise and use the Sytec One to produce technologically demanding products in the future!

The Sytec One is a BCF plant with only one end per position. Due to this single-end characteristic, it is particularly well suited for demanding production processes, such as recycled polyester or fine filaments. The reason: In the event of yarn break, only one end breaks. All other positions are not affected and continue to run. As a result, this plant has a higher efficiency as compared with a multi-end technology.

In combination with the material-friendly threading, the straight yarn path of the Sytec One ensures that the individual filaments are exposed to minimum friction. As a result, yarn breaking is reduced, and the process is stabilized. With the Sytec One, you will not only increase your throughput, but also the yarn quality – cost-efficiently.



Your benefits

Economical plant

- Up to 15% higher throughput per end compared with the S+
- Coarser titers of up to 6000 dtex can be produced from each end without folding

Highest yarn quality

- Straight yarn path with material-friendly threading
- Optimized cooling process for a more stable crimp

Easy handling

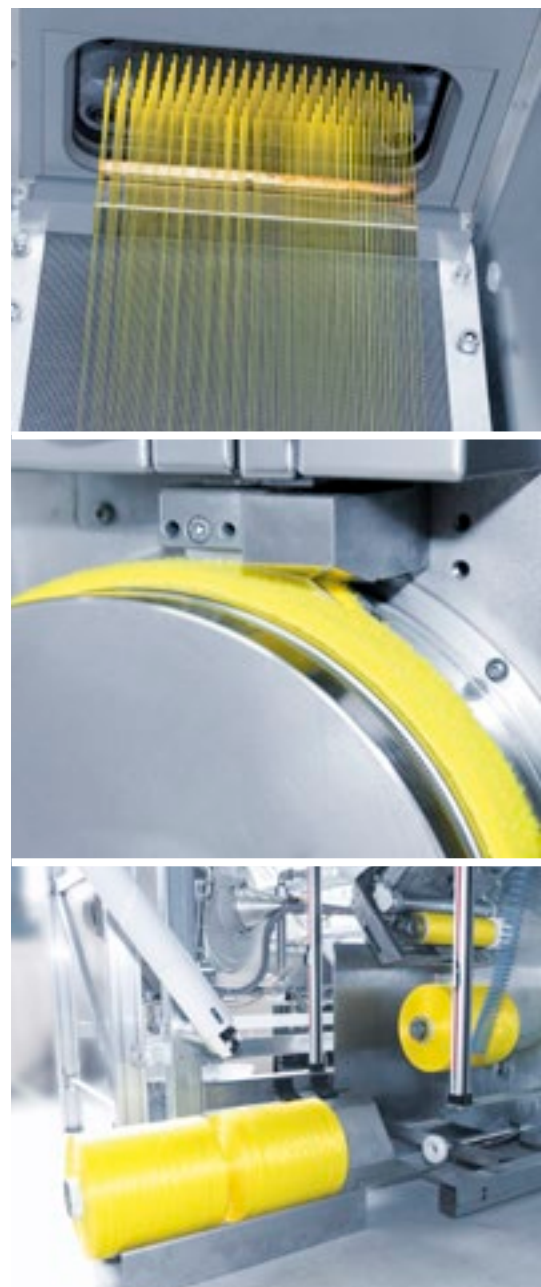
- Simple fault analysis in the event of yarn breaking
- Closed texturing unit prevents damage to texturing nozzles and lamella chamber during threading

Automation

- Bobbin holders are automatically fed with paper tubes
- Machine separated in automation and operating levels
- Automation systems can be easily installed on the ground level

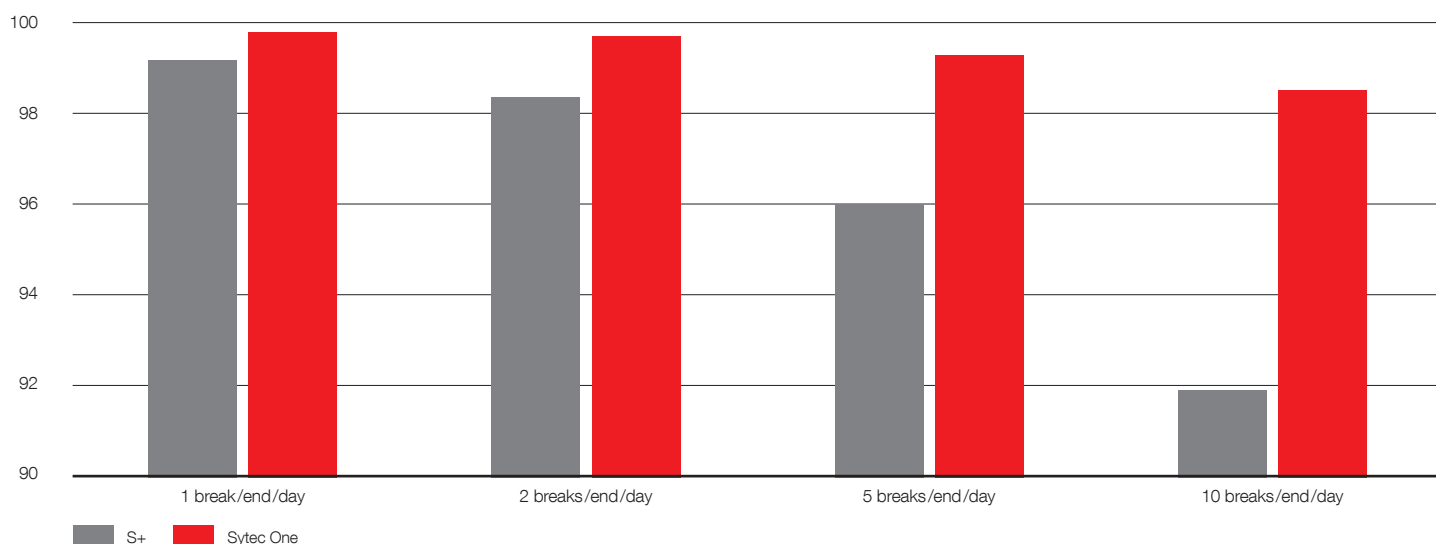
Spin packs

- Wider spinnerets for 500 filaments
- Design optimized for faster color changing.



An efficiency increase produces more yarn and less waste

Polymer Efficiency (in %)



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