

Filling extractor with waste ribbon guidance

Working principle

The Filling extractor is a suction device for the waste situated on the right-hand side of the machine. At the end of the insertion, the filling will be extracted out of the reed channel and it has to be guided in order not to have flip-backs of the filling into the fabric.

The detailed operation of the filling extraction:

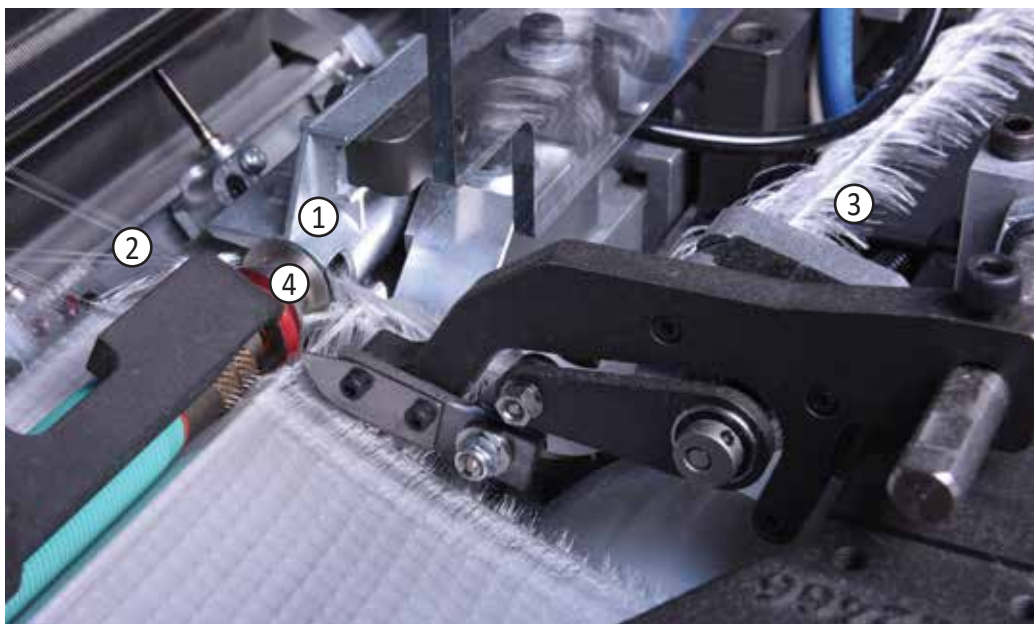
1. When the filling arrives at the RHS, the suction mouth holds the filling end
2. The filling end is also caught by the catch cords and it forms a waste ribbon
3. The waste ribbon slowly pulls out the filling ends out of the suction mouth when it moves towards the waste wind-up
4. The diabolo guides the waste ribbon

Advantages

- Handles long filling tails efficiently without the use of a temple blower
- There is no need for an extraction nozzle
- Better guiding of the waste ribbon
- It is possible to tune the waste ribbon guide without having to touch the temple settings
- No increase in air consumption compared to the conventional setup

Application

Suitable for fabrics with medium to long filling waste, e.g. filament filling, denim and bottom weight (stretch filling), wool, furnishing, and fancy poplins.



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