

# Fibersort™

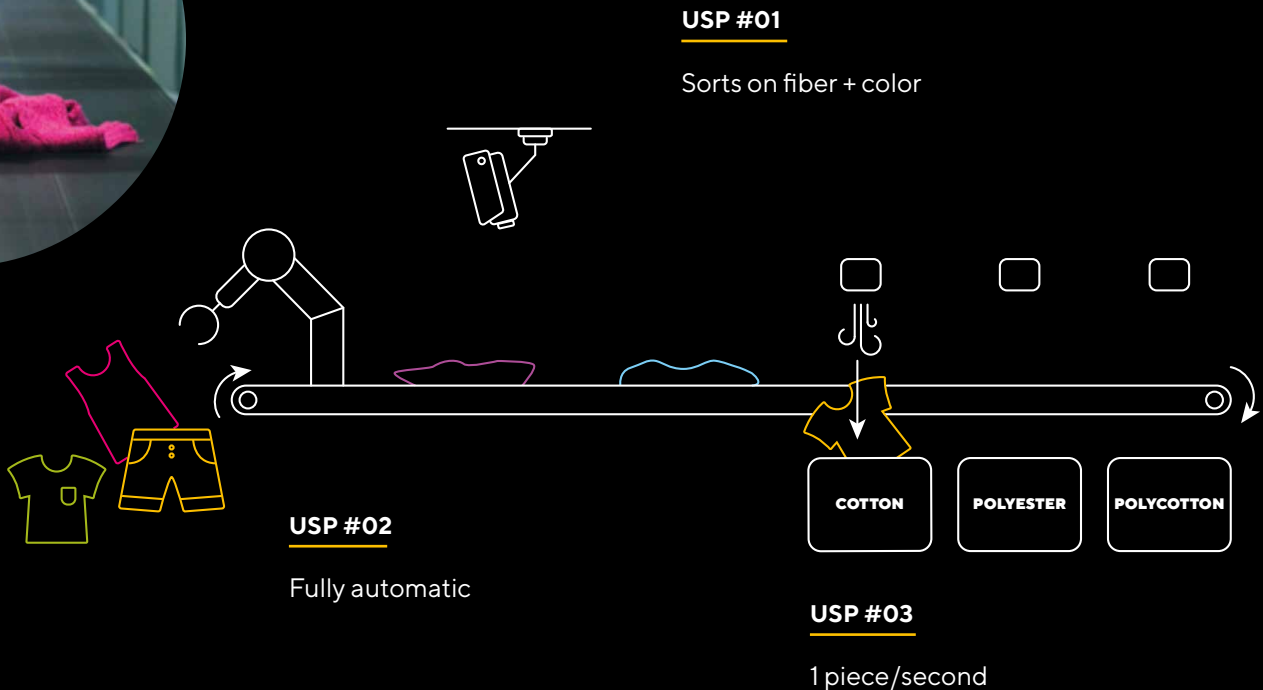
## Making closed-loop textiles a reality

### What is Fibersort?

Fibersort is a technology that sorts large volumes of pre- & post-consumer textiles waste by fiber type. Once sorted, these materials become reliable, consistent feedstock for high-value textile to textile recyclers.

### How does it work?

Fibersort is a textile sorting machine that uses Near Infrared Spectroscopy (NIRS) scans to identify and separate textiles based on fiber composition. The machine uses AI models to predict the concentration of fibers, which include pure fibers and fiber blends. Fibersort can also sort textiles based on color, using an RGB camera.



### What's your challenge?

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[www.fibersort.com](http://www.fibersort.com)

## Manual Fibersort

The manual Fibersort is a single Fibersort scanning table that is designed to process 1 textile sample every 5 seconds. The average capacity of the manual Fibersort is  $\pm 240$  kg/h.

### Features

- Fibersort scanning: fiber & color
- Fibersort software
- Fibersort control system
- Reception box for textiles

It is possible to add up to 6 sorting tables to 1 electrical cabinet.

## Semi-automatic Fibersort

The semi-automatic Fibersort is a single Fibersort line that is designed to process 1 textile per second. The average capacity of the semi-automatic Fibersort is  $\pm 1.200$  kg/h.

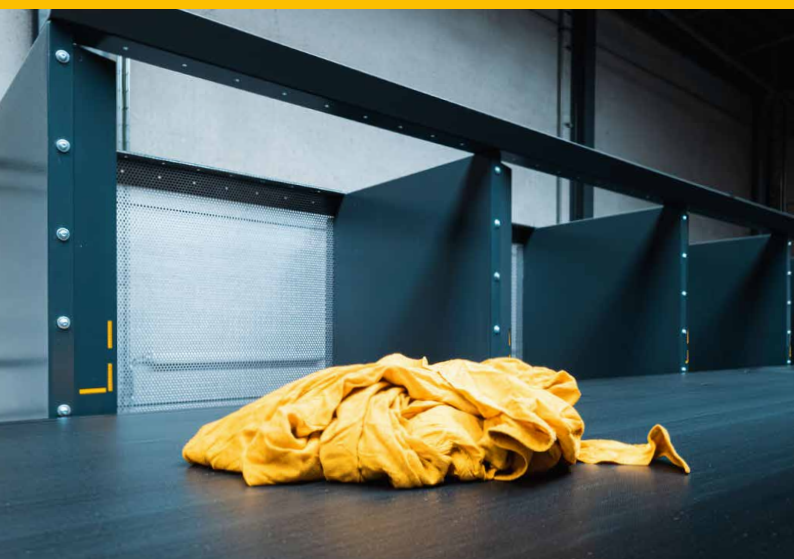
### Features

- Sorting table with a reception box
- Feeding conveyor
- Fibersort scanner : fiber and color cameras
- Sorting conveyor: scalable : min. 6 categories – max. 50 categories per conveyor. Different layouts are available upon request.

Several add-ons are available for the semi-automatic Fibersort. By adding a picking robot, the lines becomes a fully automatic version. Capacity can be increased by adding a level.



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The Fibersort can also be integrated in a larger sorting system used for sorting textiles for reuse. Many layout and executions are possible. These can be discussed and offered upon request.

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