T-BLEND

TUFT BLENDING

TRÜTZSCHLER SPINNING

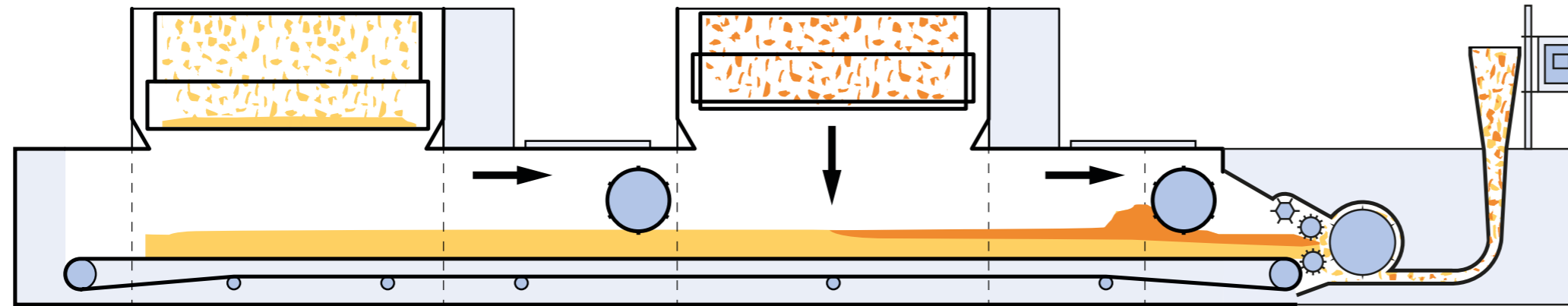# The modular tuft-blending system:
T-BLEND

Get ready for precision: Dosing down to the single gram, even for 1 % fiber content. Precise blending ratios with less than 1 % deviation. It's highly flexible. It's customized. It fits all applications. It's T-BLEND.
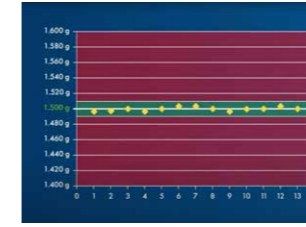

Various blends
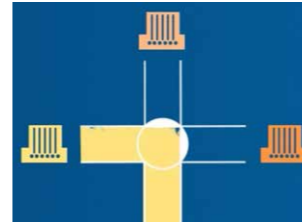

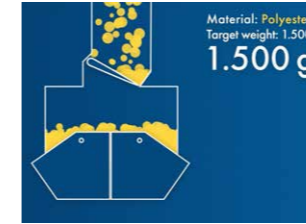Modular system for up to six components

Gravimetric measuring system

Maximum deviation +/- 1%

Feeding up to three carding lines

Material: Polyester
Target weight: 1,500 g
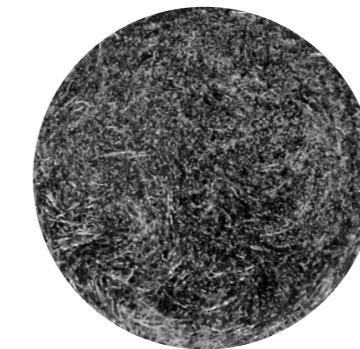1.500 g

No adjustment for material change necessary

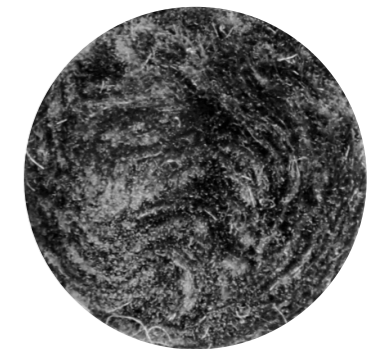Material flow and functional principle

Why T-BLEND?

Our system offers variable blending ratios through a single installation, accommodating up to six components for flexible production. Quick and automatic lot changes, aided by the formula memory, enhance efficiency. The intelligent BLEND CONTROL system ensures easy handling with self-learning capabilities. Additional benefits include automatic taring during production and simplified calibration, as well as seamless production with a capacity of up to 2,000 kg / h.

Benefits of tuft blending

The T-BLEND process ensures the highest optical and structural quality in the end product, and contributes to a uniform appearance in dyed items. Beyond aesthetics, tuft-blending plays a pivotal role in optimizing the processing of yarn within the spinning process. This seamless integration enhances efficiency, creating a synergistic flow that embodies precision and quality in every strand.

Tuft blend:
after second passage draw frame

Sliver blend:
after 3rd passage draw frame

Facts

Max. production	2,000 kg / h
Process material	Cotton Man-made fibers Recycled fibers Diverse range of staple fibers up to 70 mm length
Measurement method	Gravimetric / dosing by weight
Deviation of blending ratio	< 1%
Blending ratio	Up to 1 %
Max. components of blending	6
Feeding	Automatic and manual
Simultaneous processing	Feeds up to three different blends to downstream carding lines
Lot changes	No adjustment necessary Quick and easy change without loss of time and material Reproducible due to recipe memory
BLEND CONTROL system	Intelligent, self-learning system Regulates, monitors and records automatically