Opening Section / B13 and Tuft Blending Installation B23
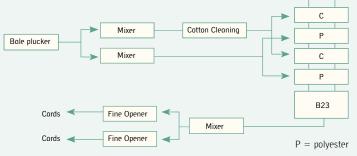
The quality of blending is far better than other systems

Tuft blending indicates the combination, in the Blow room line, of different materials with preset ratios (e.g. 65% polyester and 35% cotton) and successive carding of the resulting blend. An effective solution for tuft blending is the combination of two or more B13 weighing bale openers and one B23 tuft blender. Thanks to the optimum weighing precision and self-calibration of the balance of the B13 weighing bale opener, this solution ensures perfect evenness in the final product. The operator, through a display presets the target weights for each B13 in order to achieve the desired tuft blend. Once production has begun, each B13 works until it reaches its target weight and then it stops. Once all B13 stop, they discharge the processed material which falls on the conveyor belt of the B23, placed underneath. After all the B13 have discharged, the conveyor belt of the B23 moves and carries each layer of material under the next B13; then it stops and awaits the B13 to discharge again. Through this process the first B13 creates the first layer on the conveyor belt; the second B13 creates a second layer which lies on the first layer; the third B13, if installed, creates the third layer which lies on the second one; and so on. Once the last layer is created, the conveyor belt of the B23 carries the two (or more) layers to the pressure table and the pincer roll. The layers are then opened through an opening roll and sent through a duct to the mixer.

P = polyester

High weighing accuracy

The B13 weighing bale opener fills up at high speed and then reduces the speed as it approaches the pre-set target weight. Thanks to this system, the B13 weighing bale opener achieves the maximum weighing accuracy, with an average weighing discrepancy of less than 1%. The weighing accuracy is not affected by variations in density, volume or type of fiber being processed.

High production

Thanks to the large capacity of the weigh-pans, the B13 weighing bale opener allows to reduce the number of weighing operations. The abundant material reserve reduces machine downtimes. All this guarantees excellent productivity.

User-friendly interface

Simple operations and monitoring

- The microcomputer controls and guides the operator with simple messages;
- the microcomputer identifies malfunctions and suggests remedies;
- working programs can be stored and repeated;
- the display shows target and actual weights, cv values, production rates of shifts;
- automatic actual weight correction.