

- PROGRESSIVE OPENING
- EXCELLENT CLEANING
- GREAT PRODUCTIVITY (1,600 Kg/h)
- LOW FIBER STRESS
- NO NEPS FORMATION
- EFFICIENT DEDUSTING

## Opening Section / Duocleaner B390L

### Excellent cleaning at twice the production volumes

The B390L Duocleaner is a very efficient opener that allows to work at 1,600 Kg/h while granting outstanding quality standards thanks to its innovative working concept. The material enters at the center of the first beater and it is split into two flows that are processed separately by the two halves of the two beaters. Each flow of material, thanks to special deviators, rotate four times around the first semi-beater and another four times around the second semi-beater. The two flows of material then rejoin at the center of the second beater. The B390L Duocleaner allows to achieve outstanding cleaning and productivity outcomes because:

- The material is split into two flows which entails that each section of the two beaters process a relatively small amount of material in the time unit.
- The material makes eight turns around the beaters which is the highest number among competitor openers.
- The first and the second beater have different point densities, different speeds and different settings of the grids. This entails a progressive opening action for a more gentle treatment of the fibers and a thorough cleaning activity.

#### Machine features

- Production up to 1,600 Kg/h depending on the processed fiber;
- beaters with different rotating speeds and tips numbers (faster and more populated the second one);
- independent speed setting of the beaters;
- grids with a different number of segments with a total area of 2.24 m<sup>2</sup>;
- independent setting of the four grids;
- total dedusting area of 1.6 m<sup>2</sup>;
- two different waste chambers;
- working width of 1,600 mm for each beater

#### Low fiber stress

Excellent cleaning is possible only after effective opening: the Superblender provides the mini tufts; the Duocleaner removes trash particles, fiber fragments



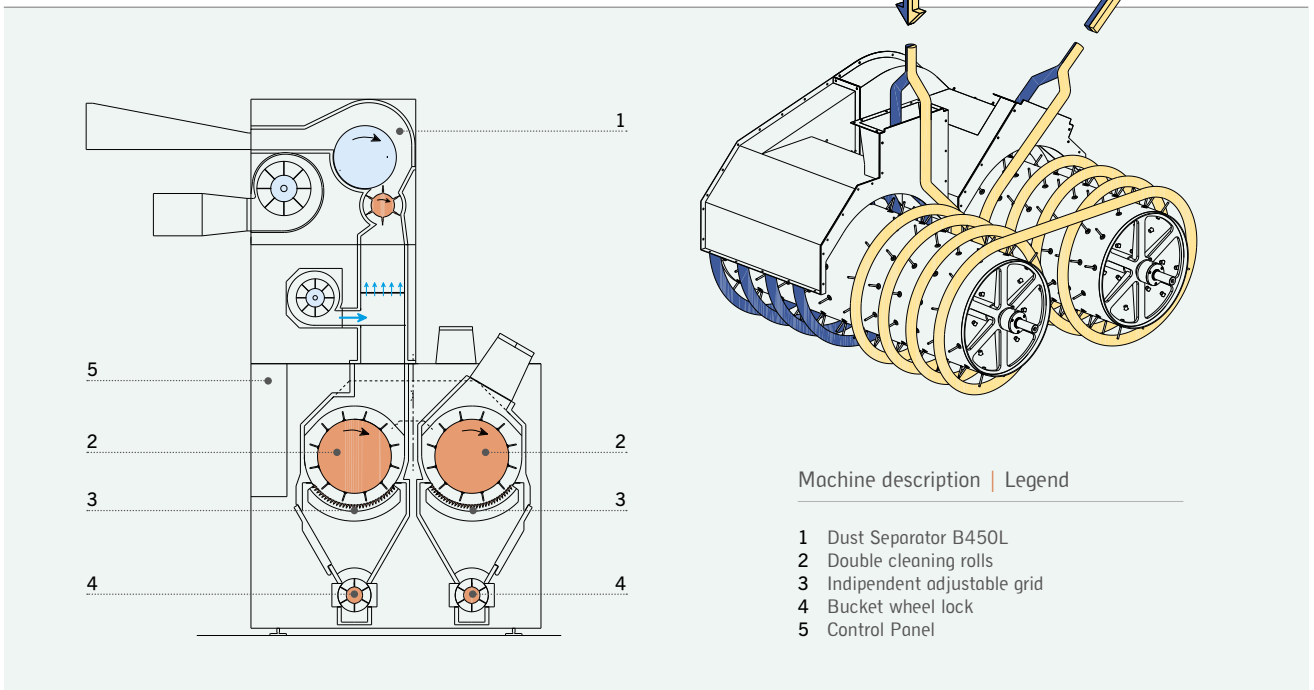
and dust. Since the Duocleaner has no nipping point, low fiber stress and no neps formation are achieved.

#### Optimized cleaning

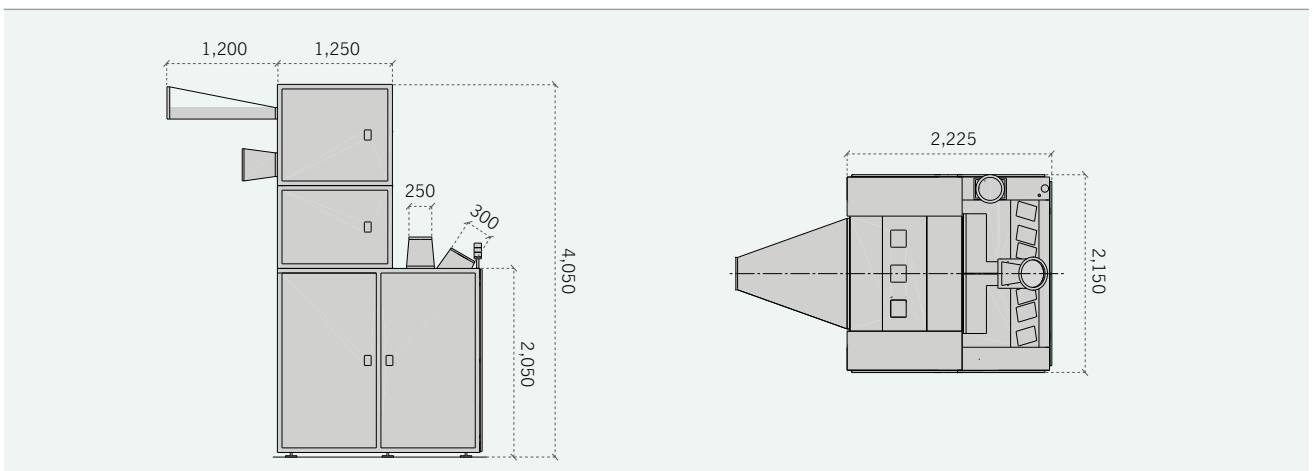
The waste accumulated after the four grids is transferred through the two bucket wheel locks to a continuous centralized suction system.

#### Efficient dedusting

Dust causes many problems in the spinning mill; The B450L, placed on the top of B390L, efficiently dedusts all the flocks coming from the bale plucker, thanks to its suction system.



## Technical data



|   |  |
|---|--|
| Processed raw material                              | Cotton, cotton waste, gin motes and blends up to 65 mm length<br>Production up to 1,600 kg/h depending on the processed raw material |
| Installed power                                     | 12.25 kW   |
| Working width                                       | 1,600 + 1,600 mm   |
| Cleaning rolls                                      | 700 mm dia.  |
| Speed range   | Cleaning roll in 400 - 600 rpm   Cleaning roll out 600 - 900 rpm   |
| Net weight  | B390L 3,400 kg   B450L 1,000 kg  |
| Power Consumption to process 100 kg of raw material | 0.76 kW  |