

Microchute

XL2



The Microchute XL2 is a simple single-zone weight controller used in conjunction with a 'Volumetric Chute Feed' or 'Tower Feed System'.

This proven product offers a cost effective solution for weight control and is especially suitable for long production runs.

The principle of Microchute involves the use of a stationary weigh platform that is located between the delivery rollers of the chute and the feed rollers of the card. As fibre passes over the weigh platform, variations in fibre density are measured and recorded. The signal obtained from the measuring device is used to control and make compensatory changes to the feed-roller speed in order to correct the variation in fibre density. A delay is built into the control logic in order to allow the fibre to travel from the measuring point at the weigh platform, to the control point at the feed rollers, before corrective action is taken.

One of the advantages of Microchute is that it measures over a relatively short distance, therefore is able to detect and control short-term variation.

The system acts as a comparator, able to detect variations in density from a mean point.

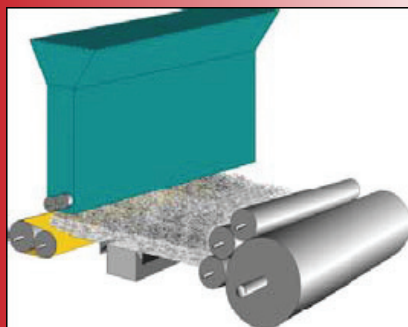


Features

- Synchronous acceleration/deceleration to the carding machine
- Simple touch-screen calibration
- Display of weight variation and speed compensation
- Over weight and under weight alarms
- Loss of fibre alarm

Variants

A 'Mini Microchute' has been developed for use on small cards, e.g. cotton cards for the production of feminine hygiene products, medical textiles and cotton wool etc.



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