



The material from the blow room cleaning lines is directed to the chutes which are erected behind individual cards. The material feed is regulated through a pressure transducer and a VFD drive which is fitted at the last feeding point to ensure constant and uninterrupted feed to cards.

The chute consists of top chamber, feed roller, beater, bottom chamber, delivery rollers and in built fan.

The material from the chute is dropped in the top chamber through a material transport fan. The air carrying the material escapes through the perforated sheet provided in the top chamber. As the card starts, the material from the top chamber is fed into the bottom chamber through the feed roller and beater. Due to beater action, the material in the bottom chamber is in an open form.

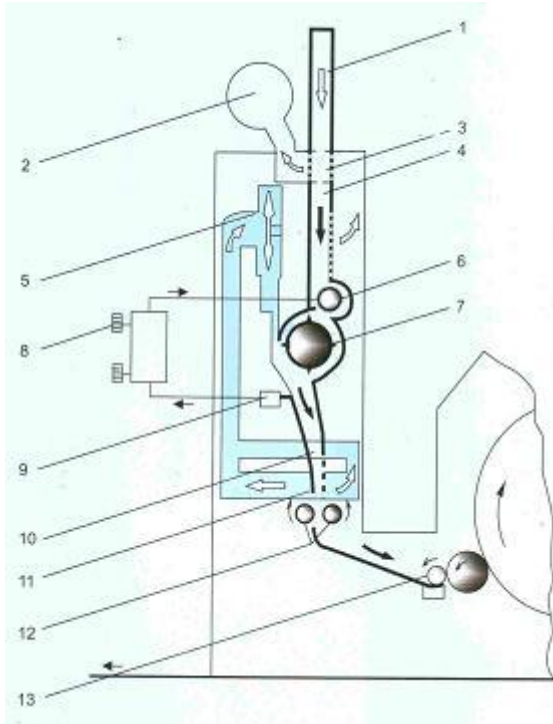
The in built fan air is directed in such a way that it compresses the material in the bottom chamber. The pressure transducer regulates the feed in the bottom chamber so that the material level remains constant during the card working. The sliver of the card is again controlled through auto leveler provided in the cards.



LAP TO CHUTE



LAP TO CHUTE FEED



- 1 Distribution Duct**
- 2 Dust Extraction Duct**
- 3 Upper Air Outlet**
- 4 Material Reserve Trunk**
- 5 Fan**
- 6 Feed Roller**
- 7 Opening Roller**
- 8 Adjustment of nominal pressure value**
- 9 Pressure Transducer**
- 10 Feed Trunk**
- 11 Lower Air Outlet**
- 12 Take Off Roller**
- 13 Card Feed Roller**

Advantages of lap to Chute Feed Conversion:

- Direct Feeding to cards leads to saving of man hours
- Cleaning efficiency of cards is improved due to open fibre
- The complicated scutcher machine is replaced by the simpler chute feed
- Less space is required
- Less power is required



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