



We have indigenously developed a Contifeed System for Chute Feeding. The system can be incorporated for all makes of Blow Rooms with chute feed. At present this system is offered by OEM in the latest supplied blow room lines.

Working Principle

The Pressure Transducer will sense the air pressure of the main duct line supplying material from Blow Room to Chutes. Depending on the quantity of the material required by the Chutes, the speed of supply motor situated at the last beating point in Blow Room will increase or decrease its speed.

If all the Chutes are empty, the Motor will work at its maximum speed. As the Chutes get filled, the motor speed reduces, thus the supply of material equals the demand. This helps in maintaining a constant material height in Chutes and ensures even feed from top reserve box of the Chutes to the Cards. The Motor will stop only if all the Cards are stopped and no feed is required.

The conventional blow room lines have the motor working on start/stop principle. So the quantity of the material delivered from the blow room is constant irrespective of the requirement from the cards. The varying material level in top reserve box of chutes affects the supply to cards.

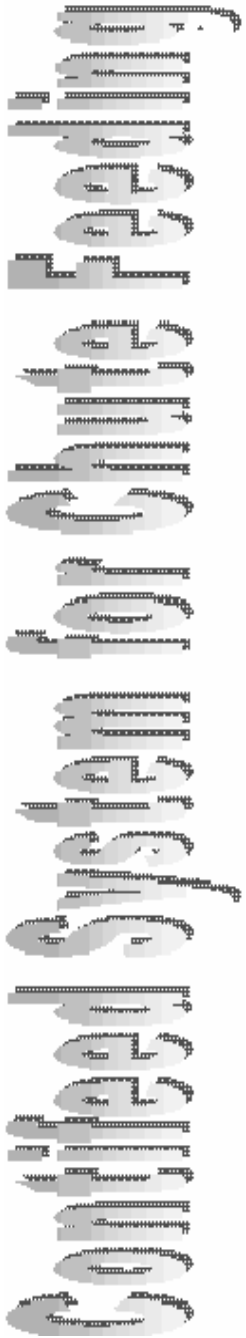
In Contifeed system, the material requirement is matched with proportionate supply by varying the delivery motor speed of last beating point.

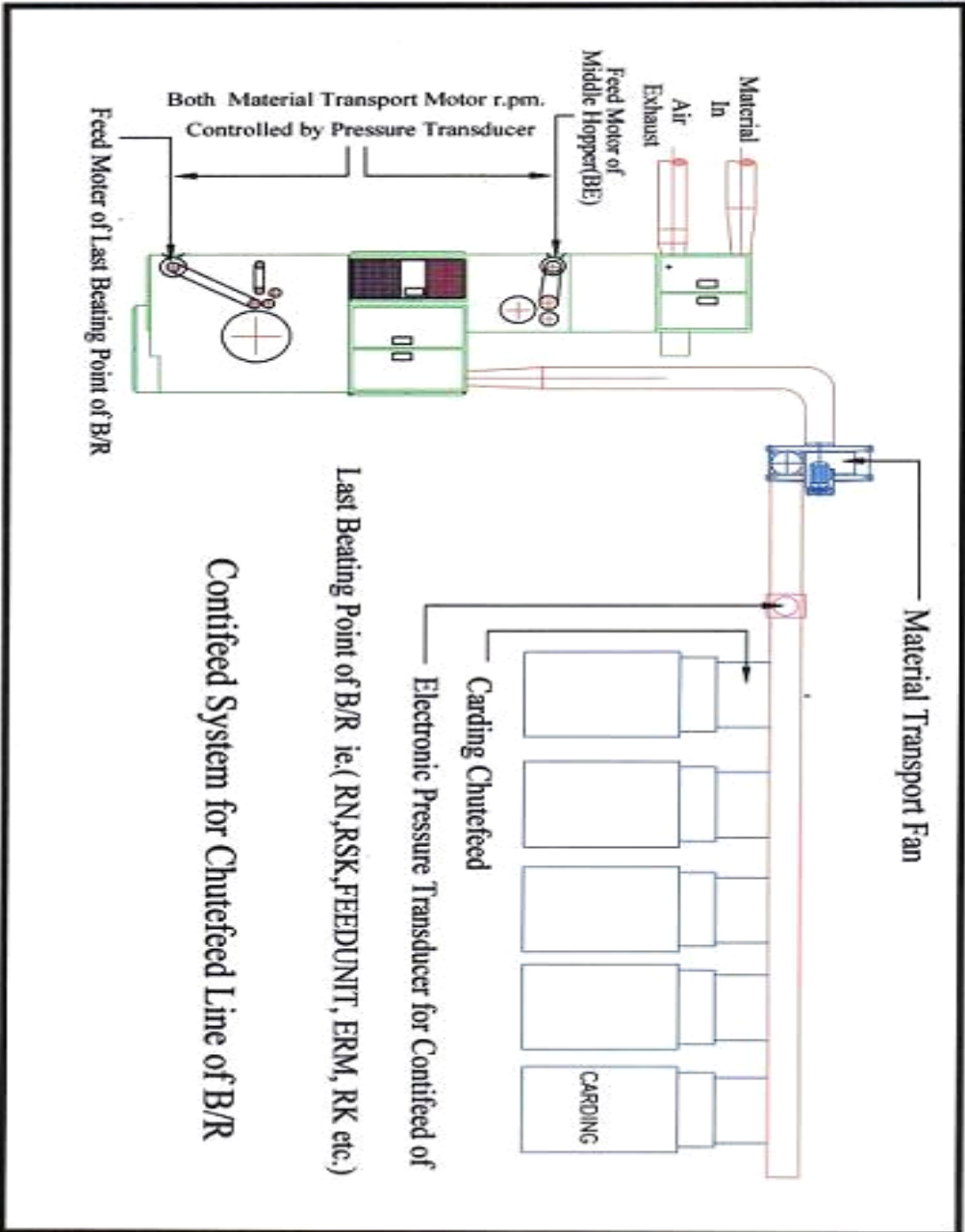
The Contifeed System consists of

- Pressure Transducer Assembly
- Variable Frequency Drive (V.D.F) with line choke for the last beating point motor
- Control Panel

Merits of the system

- Reduced CV% of Cards sliver by consistent supply of raw material
- With conventional system in a situation where only few cards are working the inflow of material is high with respect to the quantity required by the cards. The higher feed yields to jamming of the cards. The use of Contifeed System helps avoid such blockages.





Confined System for Chutefeed Line of B/R



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