

Traditional Tablet Handling

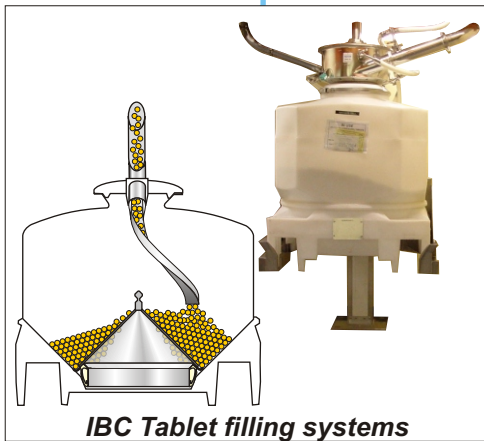
After compression and coating tablets are traditionally stored and handled in small kegs. This is usually due to a lack of height under the tablet Deduster or Coater and the possible risk of damage or marking due to the 'head load' effect when stored in larger volumes or when transferring them via interconnecting chutes.

There is now an increasing global trend towards improving manufacturing efficiency and many modern facilities are now designed using multi-floor, gravity fed concepts allowing tablets to be collected and handled in IBCs on the floor below compression / coating.

The advent of elevating de-dusting machines also allows large volume IBCs to be used in single floor facilities.



Traditional Tablet Handling



IBC Tablet filling systems

Transferring Tablets from Compression in IBCs

Matcon has developed a range of gentle transfer devices for the filling and discharging of IBCs directly from compression to coating and blister packing machines. The range includes polyethylene IBCs from 300 to 1500ltr, special fill heads, gentle transfer spirals and feather edged cone seal designs to allow controlled refilling and emptying of the IBC without degradation of the tablet.

Tablets are gravity fed from compression to the floor below and collected in specially designed polyethylene tablet IBCs which ensure no tablet degradation or marking during handling. Tablets are simply fed down deceleration tubes incorporated into the IBC which allows tablets to fall sideways as the chute backs up. The tablet drop height is thereby kept to a minimum to prevent any possible damage.

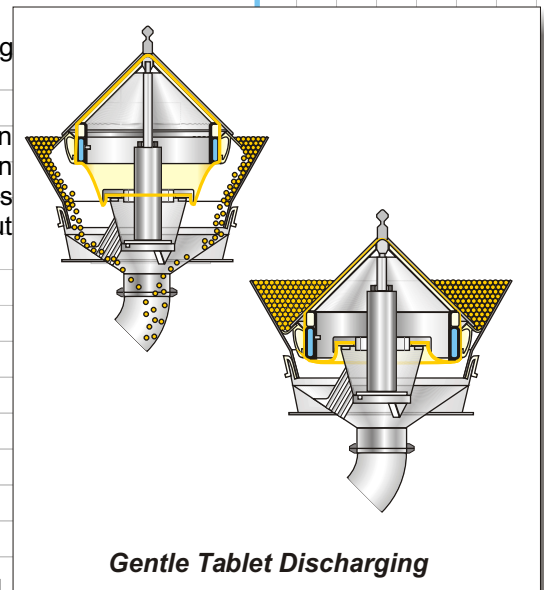
Matcon Tablet IBC Discharging Technology

The Tablet Discharge Station prevents any crushing or degradation during discharge whilst allowing accurate controlled volumetric feed to the process.

A pre-lift setting raises the Cone Valve's primary seal from the closed position whilst maintaining a product seal via its secondary feather edged seal. When actuated the Cone Valve gently lifts on demand to discharge the tablets. This innovative air tight seal allows part empty IBCs to be removed and stored without trapping or damaging any product.

Key Features & Benefits

- High Density Polyethylene IBCs** ensuring no marking of tablets during transfer or storage.
- Feather Edged Cone Seals** preventing tablet crushing and degradation during discharging.
- Gentle Transfer Chutes and Spirals** ... preventing tablet damage allowing large volumes of tablets to be stored in IBCs



Gentle Tablet Discharging