

Transferring TCS - Tablet Conveying System



- Abrasion-free conveying of tablets and capsules
- Integrated pre-dedusting
- Adapts to size, shape, and fragility
- Low velocity, gentle transfer by vacuum
- Prevents tablet collisions and impact
- Adjustable speed for full process control
- Ensures smooth, consistent flow
- Visual inspection
- Easy cleaning and hygienic design, CIP
- Compliant with pharmaceutical standards and ATEX regulations

Transferring TCS - Tablet Conveying System



TCS is an innovative solution designed for the safe transfer of tablets and capsules, regardless of their shape or coating. Thanks to a unique technology combining vacuum, integrated pre-dedusting, and spiral guiding, it ensures the product transfer free from damage.

A specifically designed hopper and inlet flap gently guides the materials inside the TCS body, reducing direct shocks and mechanical stress, preserving the structural integrity of each tablet during entry.

To prevent collisions and impact between tablets, the system incorporates a spiral ramp that gradually reduces speed through inertia loss. This smooth deceleration ensures that tablets are separated rather than piling up, maintaining consistent spacing and flow.

Transport speed can be regulated to accommodate various tablet sizes,

shapes, and fragility levels. This flexibility allows operators to fine-tune the system for optimal performance, ensuring that each product type is handled with the appropriate care and efficiency.

A top-window allows operators to monitor the integrity of the tablet transfer process. This feature provides immediate visual feedback, enabling quick adjustments.

The system integrates a pre-dedusting feature linked to an external filtration system, effectively preventing fine particles from entering into the downstream process.

TCS can be cleaned-in-place (CIP).

Design

- AISI type 316L stainless steel, electro-polished
- Various sizes available

Key Advantages

- **Product Protection:** Minimizes physical stress and damage to tablets
- **Hygienic Design:** CIP
- **Operational Flexibility:** Adapts to different tablet types and production speeds
- **Visual Inspection:** Enhanced control and responsiveness
- **Regulatory Compliance:** cGMP con form, ATEX compliant
- **Seamless Connection** to tablet press and other up-/downstream processes

Applications

- Pharmaceutical Industry
- Nutraceuticals
- Dietary Supplement Production
- Transfer between production zones (tablet press, coating, capsule filling, blistering, storage, etc.)

