

Blending PTS Batchmixer®



- High containment powder mixer
- Handles toxic and explosive powders
- Self-filling, full discharge
- High turn down ratio
- Minimal maintenance
- CIP, SIP
- No rotating or moving parts
- Highly efficient mixing < 0.1 %
- Mixes powders with various characteristics
- Powders are actively transferred to and from the PTS Batchmixer®



No Rotating Parts



Contamination Free



Easy Cleaning



Easy Sterilization



ATEX



cGMP

Blending PTS Batchmixer®



PTS Batchmixer® provides the ultimate in speed and flexibility, reducing overall process time compared to traditional systems, enabling the operator to mix powders with different characteristics in a contained environment. With applications from 2 litres to 6000 litres, the system also allows the operator to vary product volumes from 10-100%.

The system is particularly appropriate for pharmaceutical applications where active substances must be handled without contamination or changes to physical properties. This easily integrated system has a main container with an integrated central deflector and a PTS with two tangential inlets on top. The powders are automatically introduced by the PTS and circulated within the container for a predefined period of time. The deflector ensures a homogeneous distribution of the mixture. The mixing process is faster and more effective as a result of the two jets of powder meeting in the PTS body. With limited circulation speed, particles, however, are not damaged. The system operates under inert conditions for hy-

groscopic, oxygen sensitive or explosive materials. Powders can be transferred automatically from drums, bags or directly from process equipment like a granulator. At the end of the mixing process the system can be completely emptied and the material can be conveyed to the next stage in production.

Design

- AISI type 316L stainless steel, electro-polished
- Various materials (HC22, internal coating, plastic, etc.)

Features

- Highly efficient mixing
- Mixes diverse powders with large differences in ratio (1/10'000)
- High level of containment
- Inert operation
- High turn down ratio < 10% - 100% product load
- Full discharge
- Introduction of additives without process interruption
- No modification of product characteristics

- Extracts from different containers (drums, big-bags, silos, etc.)
- Emptying by gravity or active transfer
- cGMP/ATEX compliant design
- No moving or rotating parts
- Minimal maintenance
- Cleans in place (CIP/SIP)

Options

- Load cells
- Hygienic, sterile unit
- Mobile unit
- Integration of high shear tools
- Discharge device for non free-flowing powders
- Sampling

*patented

Indicative values

Batchmixer	65	80	100	150	200	300	400
Batch size / l	2-50	50-100	100-250	250-500	500-1000	1000-3000	3000-6000

