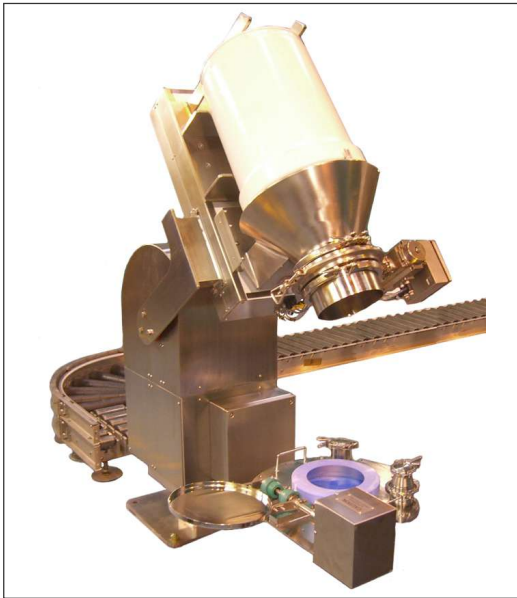


The PalPharmaTip has been developed to aid with all aspects of the Pharmaceutical Process as an easy and ergonomic method of feeding powders and liquids from one part of the process to the next making it an effortless task for the operator.

The PalPharmaTip by ergonomically aiding the operator also helps protect against the inhalation of potentially hazardous dust especially when used in conjunction with a containment device such as an Isolator or downdraught booth.



PalPharmaTip SC150, part of an automated contained drum discharge system. The drum is sealed into the discharge cone before inversion, once inverted the unit advances into the silicone cap to ensure a dust free transfer. The unit is PLC controlled



PalPharmaTip CB100, a study by a leading containment equipment manufacturer found that the use of an ergonomic drum positioner in a containment booth helped to keep the actual powder dispensing operator exposure level (OEL) many levels of safety below the accepted OEL using a time weighted average analysis, (TWA). Design available as an in line or cantilevered design depending on space constrictions.

Typical applications for the PharmaTip

Technical Information:
 Suitable for drums up to 350Kgs
 Available in mild steel through to 316 stainless steel/Hastelloy
 UK design and manufacture
 with CE approval

- Discharging product from a drum into a receiving vessel
- Discharging product from a drum into a reactor
- Feeding product into a blender or mixer
- Feeding product into filter dryer
- Docking a drum onto an isolator
- Presenting the drum at an ergonomic height to sample product
- Presenting the drum at an ergonomic height to help protect the operator from potentially hazardous product (containment booths)
- Tipping product within a laminar flow air hood to prevent dust contamination to the surrounding area
- Agitating potentially hard product before discharging
- Feeding tablets into a tablet coater

FEATURES AND BENEFITS

- Dual handed operation with fail safe “dead man” operation
- Raise, lower, rotate, advance and retreat pneumatic and electric powered actuation options (no hydraulics)
- Suitable for ATEX environment to Zone1/21 T4 with documentation
- Static or mobile options
- Can be conveyor or wheeled dolly drum fed
- 90,135, 180 and 360 (blending) rotation
- Drum cradle options included over centre clamp, ratchet clamp, discharge cone, open base for wheeled dolly
- Can handle a range of diameters, heights
- Liner retention feature
- Operator controls can be located to customer preference
- Vibration on drum cradle to aid discharge of sticky product
- FDA approved gaskets and seals
- Tipping heights designed to suit the application requirements
- Loss in weight weighing system
- Can be equipped with a split butterfly valve for high potency transfer applications
- All PALPharmaTips have a 180 grit crack and crevice free finish with all contact parts 316l and 240 grit finish as standard.



PalPharmaTip RR100, PLC controlled with the ability to rotate the drum in two orientations for dispensing powder to both a floor scale and a bench mounted scale



PalPharmaTip CB100, shown being loaded with the PalPharmaVac option for a complete ergonomic solution to powder dispensing and drum emptying



PalPharmaTip I100/2000, shown being used in conjunction with an isolator for highly accurate positional and docking requirements.



PalPharmaTip CBC100, similar to a CB100 but shown with the option to help the removal of empty drum liners in a contained method



PalPharmaTip CBMP100, similar to a CB100 but shown here with small lightweight mobile base. The base is secured by a small pin at the position of discharge



PalPharmaTip CBM100, similar to a CB100 but shown with self supporting mobile base

Introduced by: