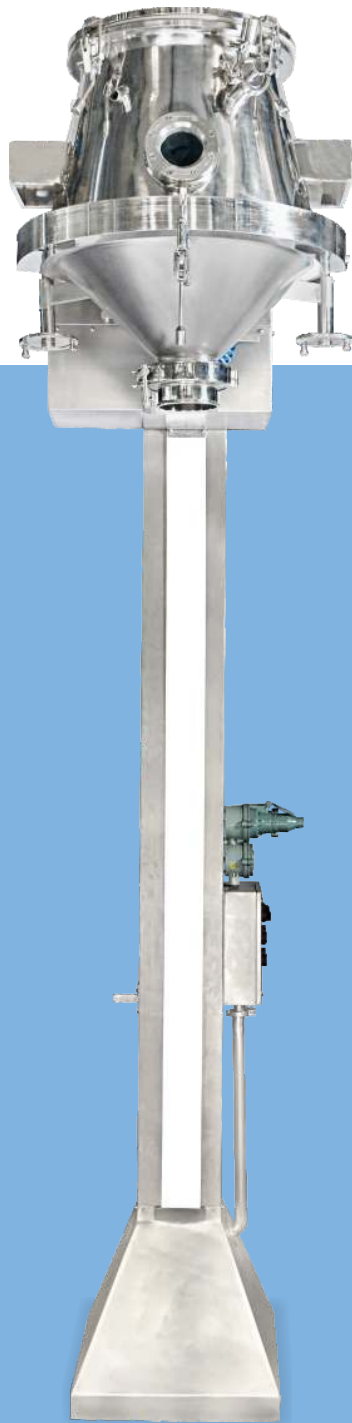


# TIPPER

Dust free transfer device



CE

**TAPASYA**

A hydraulically or mechanically operated equipment, Tipper is used for lifting and tipping FBD Bowl loaded with dried granules. Contents of the Bowl is transferred smoothly to a granulating equipment and through it to a BIN or an IPC container.

It provides completely dust free operation and eliminates tedious scooping or manual handling. The process consists of bringing the FBD Bowl beneath the Tipper. The inverted cone of the Tipper is lowered so that the brim flange of the bowl touches the brim flange of the inverted cone. Both are then clamped together with quick fixing clamps. The whole assembly is raised hydraulically to the required height and then rotated mechanically to 180 degree on its axis and lowered to a suitable height to align with the receiving container / equipment. The discharge point of cone is fitted with an Butterfly valve by operating which the contents are discharged to Multi Mill / Co Mill or a sifter cum Multi Mill as per the process requirement.

The flanged cone and the valve is of S.S. 316 /304 material, as required. The bottom and the complete drives are covered with highly polished S.S. 304 sheet to impart a cGMP finish.



## SALIENT FEATURES

- ! Stainless steel lift yoke with Integral Gearbox for rotation of discharge cone and container.
- ! Discharge cone clamps are made of stainless steel with ease of clamping, design.
- ! Control cabinet is Powder coated in M.S. and is water tight complete with hydraulic power pack and electric controls.
- ! Complete fail safe design.
- ! Conforms to latest cGMP/cGEP standards.
- ! Discharge cone is fitted with a butterfly valve. The MOC is SS316/304.
- ! Imported power pack
- ! The machine is designed out of solid ISMC 300 and then clad with Pre Polished SS sheets.
- ! Double acting in-house manufactured Hydraulic Cylinder with 3 stage Fail safe seals. The cylinder is designed for an operating pressure of 100 BAR.
- ! Hose burst protection system installed on the Cylinder making it fail safe.
- ! Solid Machined trolley made out of 30 MM Machined Frame.
- ! 2 nos 8 MM Ø SS04 Wire ropes instead of chain.
- ! Lift Lock for safety provided.
- ! Imported Mono Block Power Pack zero maintenance.

# TIPPER

Dust free transfer device

- ! All control Cabling and rigid piping included with the machines.
- ! Due to Rigid Piping chances of leakages are eliminated.
- ! CE Certified meeting 19 EN specifications.
- ! Meeting all European Safety standards.
- ! Provision for the Vibratory Sifter/ Mill to be electrically connected is Built-in. Thus eliminating the cables running on the floor. Better safety and GMP.
- ! Hydraulic Tilting arrangement for maintenance free operation.
- ! Limit switches for up & down movement.
- ! Limit switches for stopping the cone in 0 degree & 180 degree
- ! M.C.B. and overload relay for electrical faults.
- ! Pilot operated Hose Burst valve on the hydraulic cylinder for hydraulic safety
- ! Single cone for 2 sizes of FBD Bowl with adaptor
- ! Timer control for discharge valve.



## OPTIONAL FEATURES

- ! Free standing unit.
- ! Hydraulic / Mechanical design.
- ! Adjustable stop.
- ! Additional lift column height.
- ! Double Column for heavier loads.
- ! Hydraulic arrangement for tilting.
- ! 1800 SWIVEL column.
- ! Pneumatically actuated valve.
- ! Single cone for 2 size FBD Bowl with adaptor.

## TECHNICAL SPECIFICATION

F.B.D. BOWL CAPACITY	LIFTING DEVICE	ROTATING MECHANISM
60 kgs	1 HP	1 HP
100 kgs	1 HP	1 HP
150 kgs	1.5. HP.	1 HP
200 kgs	2.0 HP.	2 HP
250 kgs	2.0 HP.	2 HP
300 kgs	2.0 HP.	2 HP
350 kgs	2.0 HP.	2 HP
400 kgs	3.0 HP.	2 HP



*Specification and technical data are subject to without prior notice*



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