

# Powder



## Octagonal-Blenders

### SALIENT FEATURES:

- In compliance with cGMP guidelines.
- Effective blending with help of mixing baffles.
- Quick Dismantling of mixing baffles for easy to clean bins and baffles.
- Fully Automatic Operation through PLC (Optional).
- Flameproof Construction (Optional).

### TECHNICAL SPECIFICATION

Model	LPTOB 50	LPTOB 100	LPTOB 200	LPTOB 300	LPTOB 500	LPTOB 800	LPTOB 1000	LPTOB 1200	LPTOB 1500	LPTOB 2000
Gross Capacity (Ltr)	50	100	200	300	500	800	1000	1200	1500	2000
Working Capacity (Ltr.)	35	70	140	210	350	560	700	840	1050	1400
Machin RPM (Max)	28	28	24	24	16	16	16	16	16	12
Discharge Port	Ø 3"	Ø 4"	Ø 6"	Ø 6"	Ø 6"	Ø 8"	Ø 8"	Ø 10"	Ø 12"	Ø 12"
Main Drive Motor	1	1	2	2	3	5	7.5	7.5	7.5	10
Power Supply	415 V ± 10 %, 3 Phase, A.C.									



## Automatic single head auger type powder filling machine

### SALIENT FEATURES:

- Totally enclosed heavy steel structure body to avoid any vibration.
- Accurate Auger and Funnel having non-sticky characteristic.
- Filling dose can be adjusted electronically by adjusting time for dosing.
- An attachment with loose funnel for filling the powder in small container.
- All contact parts are made S.S 316 material and easily removable for mandatory autoclaving/sterilization.

- Less Change over from one fill size to another is easy and with no wastage of time.
- “No Container – No Filling” system eliminates wastage of costly powders.
- VFD provided to control the speed of the conveyor.
- In compliance with cGMP.
- Pre/Post Nitrogen Purging arrangement(optional).
- Polycarbonate Cabinet covering full machine(optional).
- PLC and MMI(optional).
- Servo Motor Driven Filling Head(optional).

### TECHNICAL SPECIFICATION:

- No. Of filling Head : Single head.
- Production Rate: 30 – 40 fills/ min. depending upon powder type, bulk density & filling weight.
- Power Specification : 0.5 H.P, 440 Volts, 3 Phase, 4 Wire System, 50 Hz. for Agitator, Hopper Drive and 60W, 220 VAC, 1 Phase, 50 Hz. for Control and Conveyor Drive.

- Fill Capacity: 20 gm. to 200 gm. in Single Stroke with the help of dosing time and/or with help of Change Parts.
- Accuracy :  $\pm 3/5\%$  depending upon consistency and uniformity of powder.
- Container Dia. : 25 mm to 50 mm.
- Container Height: 36 mm to 100 mm max.
- Compressed Air : Max. 3–4 Kg /Cm<sup>2</sup>, 3–4 CFM.



## Automatic double head auger type powder filling machine

### SALIENT FEATURES:

- Totally enclosed heavy steel structure body to avoid any vibration.
- Accurate Auger and Funnel having non – sticky characteristic.
- Filling dose can be adjusted electronically by adjusting time for dosing.
- An attachment with loose funnel for filling the powder in small container.
- Pneumatic system can be also controlled by self make logic control.
- All the contact parts are S.S 316 material and easily removable for mandatory autoclaving/ sterilization.
- Change over from one fill size to another is easy and with no wastage of time.
- “No Container – No Filling” system eliminates wastage of costly powders.
- VFD is provided to control the speed of the conveyor.
- Endless Conveyor Belt to prevent jamming of assembly due to spillage of powder.
- In compliance with cGMP.
- Pre/Post Nitrogen Purging arrangement (optional).
- Polycarbonate Cabinet covering full machine(optional).
- PLC and MMI(optional).
- Servo Motor Driven Filling Head(optional).

### TECHNICAL SPECIFICATION:

- No. Of filling Head : Double head.
- Production Rate: 60 – 80 fills/ min. depending upon powder type, bulk density & filling weight.
- Power Specification: 1.0 H.P, 440 Volts, 3 Phase, 4 Wire System, 50 Hz. for Agitator, Hopper drive and 60W, 220 VAC, 1 Phase, 50 Hz. for Control and Conveyor Drive.
- Fill Capacity: 20 gm. to 200 gm. in Single Stroke with the help of dosing time and/or with help of Change Parts.
- Accuracy :  $\pm 3/5\%$  depending upon consistency and uniformity of powder.
- Overall Dimensions : 1850 mm (L) X 954 mm (W) X 1750 mm (H).
- **Input Specification :**
- Container Dia. : 25 mm to 50 mm.
- Container Height: 36 mm to 100 mm max.
- **Utility :**
- Compressed Air: Max. 3 – 4 Kg /Cm<sup>2</sup>, 3 – 4 CFM.



## Automatic high speed 16 heads rotary auger filling machine

### SALIENT FEATURES:

- In compliance with cGMP model.
- 8 port Powder Wheel and 16 nos of funnels.
- PLC and Touch Screen.
- Vibratory funnels for smooth flow of powder in container.
- All contact parts are S.S. 316.
- All assemblies under top plate are positioned as for easy cleaning and maintenance.
- All driving is through high quality imported gear motor.
- Machine speed can be adjusted through VFD.
- Special clutch devices are provided on star wheels for safety purpose.
- In – built vacuum pump: 500 LPM 20' HG.
- Filters for air and vacuum.
- “No Bottle – No Filling” system.
- Cap, bowl and vibrator at low level for the easy loading of caps and monitoring cap level.
- Dust collection unit. (optional).
- Polycarbonate cabinet covering full machine. (optional).

### TECHNICAL SPECIFICATION:

- No. Of filling Head : 16 heads.
- Output : 60 to 100 bottles / minute depends upon Fill Size.
- Fill Size : 5 grams to 50 grams with the help of Change Parts.
- Fill Accuracy :  $\pm 1-3\%$  Depends upon fill size, Powder type, RH.
- Bottle Size : Dia. 25MM to 60MM with the help of Change Parts.
- Cap Size : Dia. 22-28 with the help of Change Parts.
- Power supply : 5HP, 440 VAC, 3 Phase, 50 HZ, 5 Wire System.
- Compressed Air: 3 BAR Max. 3 – 5 CFM.
- Vacuum : 500 LPM.



## Automatic high speed 16 head rotary powder filling machine with 8 head ropp cap sealing machine/screw capping machine

### SALIENT FEATURES:

- All contact parts are SS 316 / 316 L.
- All contact parts can be easily dismantled for sterilisation.
- Continuous motion design gives higher output on higher filling volumes.
- Servo motor driven powder filling augur head.
- Variable speed drive to control the machine output speed.
- All drive through imported gear box.
- Different filling volume setting through PLC and Touch Screen.
- Vibratory funnels for easy flow of powder to containers.
- Low powder level alarm.
- Alarm system in case of bottle jamming at both the star wheel.
- No bottle-no fill system.
- Automatic powder loader system (optional).
- Heavy duty stainless steel structure and heavy top plate for vibration free operation.
- No tools required for fixing and removing of hopper and funnel.
- Dust collection system (optional).
- SS. safety cabinet covering full machine with polycarbonate.
- In compliance with cGMP.

### TECHNICAL SPECIFICATION:

- No. Of filling Head : 16 heads
- Output: 60 to 150 containers / minute depending upon fill size.
- Fill Size : 5 grams to 200 grams with the help of Change Parts
- Fill Accuracy :  $\pm 3-5\%$  depends upon fill size, Powder Type, RH
- Bottle Size : Dia. 25mm to 60mm with the help of change parts
- Overall Dimensions : 2200 mm (L) X 1200 mm (W) X 2200 mm (H)
- Input Specification:
- Power supply : 4HP, 440V AC, 3 Phase, 50 Hz, 5 wire system
- Compressed Air: 2 BAR max. 2 – 3 CFM