Gmp®
Machineries & Packaging

GRANULATION
SECTION

WE GROW
WHEN
YOU GROW

Gmp®
Machineries & Packaging

302, Ashirwad Paras,
Corporate Road, Prahladnagar, Ahmedabad, Gujarat- 380015.
Phone: +91 99789 12454 - Email: piyush@gmpmachine.com
www.gmpmachine.com

MANUFACTURER | ENGINEERING | CONSULTING | TURNKEY SOLUTION PROVIDER

Fluid Bed Dryer/ Processor/Coater

Technical Specifications:

MODEL	FBD 30	FBD 60	FBD 120	FBD 150	FBD 200	FBD 250	FBD 300	FBD 400	FBD 500	FBD 600
Gross Cap. In Ltrs.	90	170	290	350	475	575	675	900	1110	1330
Max. Working in Ltrs.	60	120	240	300	400	500	600	800	1000	1200
Batch size(kg) Min & Max	12-30	24-60	46-120	60-150	80-200	100-250	120-300	160-400	200-500	240-600
Blower Motor HP	7.5	12.5	20.0	25.0	25.0	30.0	30.0	40.0	60.0	75.0
Air Flow (CFM)	750	1100	1900	2000	2588	2700	3235	3824	4412	5500
Air Flow (m3/hrs)	1275	1870	3230	3400	4400	4590	5500	6500	7500	9350
Steam Pressure (kg/cm sq.)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Steam Consumption (kg/hr)	90	130	150	186	216	244	344	344	344	344
Electrical Heater(kW)	20	36	54	NA	NA	NA	NA	NA	NA	NA
Atomization Air Pressure (For FBP)(@35 CFM)	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR	2-6 BAR
Number of Spray Nozzles	1	1	3	3	5	5	6	6	7	7
Spray Nozzle Port	2	2	3	3	3	3	4	4	4	4
Compressed Air Pressure (@30 CFM)	7	7	7	7	7	7	7	7	7	7
Drying Temperature	30-80° C	30-80° C	30-80° C	30-80° C	30-80° C	30-80° C	30-80° C	30-80° C	30-80° C	30-80° C
Electrical Supply	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC	3 Ph. AC

Rapid Mixer Granulator

Technical Specifications:

MODEL	GROSS CAP.	WORKING CAPACITY	BATCH CAPACITY	MAIN MOTOR (HP) (1440 RPM)	CHOPPERMOTOR (HP) MOTOR (2880 RPM)	GEAR BOX RATIO
RMG -50	50 Liters	40 Liters	10 -20 Kg	7.5	2	10:1
RMG -100	100 Liters	80 Liters	20 -40 Kg	10	2	10:1
RMG -150	150 Liters	120 Liters	30 - 60 Kg	15	3	10:1
RMG -250	250 Liters	200 Liters	50 - 100 Kg	30	5	10:1
RMG -300	300 Liters	240 Liters	60 - 120 Kg	30	5	10:1
RMG -400	400 Liters	320 Liters	80 - 160 Kg	40	7.5	10:1
RMG -600	600 Liters	480 Liters	120 - 240 Kg	50	7.5	10:1
RMG -700	700 Liters	560 Liters	140 - 280 Kg	50	7.5	10:1
RMG -800	800 Liters	640 Liters	160 - 320 Kg	60	10	15:1
RMG -1000	1000 Liters	800 Liters	200 - 400 Kg	60	10	15:1
RMG -1200	1200 Liters	960 Liters	240 - 480 Kg	80	15	15:1

Fluid Bed Processor (Lab Model)

Technical Specifications:

MODEL	FBP - 3	FBP - 5	FBP - 15
Gross Capacity in Ltrs.	9	18	45
Max. Working Volume in Ltrs.	6	10	30
Batch size(kg) Min. & Max.	1 - 3	2 - 5	5 - 15
Blower Motor HP	5	5	7.5
Air Flow (CFM)	270	350	550
Air Flow (m3/hrs)	460	595	935
Electrical Heater (kW)	9	12	18
Atomization Air Pressure	1 - 3	1 - 3	2 - 4
Number of Spray Nozzles	1	1	1
Spray Nozzle Port	1	1	1
Compressed Air Pressure	6 Bar	6 Bar	6 Bar
Drying Temperature	30 - 80° C	30 - 80° C	30 - 80° C
Electrical Supply	3 Ph. AC	3 Ph. AC	3 Ph. AC
In Case of Steam Heater instead of Electric Heater			
Steam Pressure (kg/cm sq.)	3.5	3.5	3.5
Steam Consumption (kg/hr)	26	36	45

Rapid Mixer Granulator With Fix & Changeable Bowl (Lab Model)

Technical Specifications:

MODEL	RMG - 3	RMG - 5	RMG - 10	RMG - 25
Gross Capacity in Ltrs.	3	5	10	25
Working Capacity in Ltrs.	2.4	4	8	20
Batch Capacity In kg	0.6 -1.2	1 - 2	2 - 4	5 - 10
Main Motor HP (1440 RPM)	2			5
Chopper Motor HP (2880 RPM)	1			2

For Interchangeable Bowl Combinations are 10/5/3 Liters & 25/10 Liters.

Automatic Coater

Technical Specifications:

MODEL	COATER-24"	COATER-36"	COATER-48"	COATER-60"	COATER-66"
Working Capacity (Kg) Min-Max	5 -20	25 - 70	70 - 150	120 - 300	180 - 400
Pan Diameter (mm)	600	915	1220	1525	1680
Pan Mouth Diameter (mm)	250	300	480	600	600
Pan Speed (RPM)	2 - 15	2 - 15	2 - 15	2 -12	2 - 12
Main Drive Motor (HP)	1	1.5	5	5	7.5
Inlet Blower Motor (HP)	2	3	5	10	15
Exhaust Blower Motor (HP)	2	5	10	25	40
Inlet Blower Capacity (CFM)	450	1300	2700	5000	6000
Exhaust Blower Capacity (CFM)	500	1700	3000	6000	7000
Electrical Heater (kW)	22	36	NA	NA	NA
Compressed Air (CFM at 6 bar)	20	20	25	35	35
In case of Steam Heater instead of Electric Heater					
Steam Consumption (Kg/hr)	70	95	125	198	292
Steam Pressure (Kg/cm sq.)	3.5	3.5	3.5	3.5	3.5

Automatic Coater With Changeable Bowl (Lab Model)

Technical Specifications:

MODEL	COATER 18"/12"/8"
Working Capacity (Kg) Min-Max	2-5/0.5-1.5/0.5-0.9
Pan Diameter (mm)	450/305/205
Pan Mouth Diameter (mm)	150
Pan Speed (RPM)	2-18
Main Drive Motor (HP)	1
Inlet Blower Motor (HP)	1
Exhaust Blower Motor (HP)	1
Inlet Blower Capacity (CFM)	300
Exhaust Blower Capacity (CFM)	350
Electrical Heater (kW)	3
Compressed Air (CFM at 6 bar)	45
In case of Steam Heater instead of Electric Heater	
Steam Consumption (Kg/hr)	50
Steam Pressure (Kg/cm sq.)	3.5

Hot Air Tray Dryer

Technical Specifications:

MODEL	24	48	96
Loading Capacity	24 Trays	48 Trays	96 Trays
No of Doors	1	1	2
No of Blower	1	1	1
Motor	1 HP/ 1440 RPM/ 415-440 Volts/ 50 Hz/ 3 Phase	1.5HP/ 1440 RPM/ 415-440 Volts/ 50 Hz/ 3 Phase	2 HP/ 1440 RPM/ 415-440 Volts/ 50 Hz/ 3 Phase
Electrical Heating Load	9 kW	12 kW	24 kW
Tray Loading	Rack System	One Trolley	Two Trolley
Tray Size	812 mm X 406mm X 25 mm (32 inch X 16 inch X 1 inch)		
Trolley Dimension	Fixed Racks	840 mm X 960mm X 1780 mm	840 mm X 960mm X 1780 mm

Octagonal Blender

Technical Specifications:

MODEL NO.	GROSS CAPACITY (LITERS)	CAPACITY (Kg)	MAX RPM	MOTOR (HP)
25	75	25	1 - 18	1
50	150	50	1 - 18	2
100	300	100	1 - 18	3
250	600	250	2 - 10	3
500	1250	500	2 - 10	5
600	1500	600	2 - 10	7.5

V Blender

Technical Specifications:

MODEL NO.	GROSS CAPACITY (LITERS)	CAPACITY (Kg)	MAX RPM	MOTOR (HP)
2	6	2	3 - 21	1
5	12	5	3 - 21	1
10	30	10	3 - 25	2
25	55	25	3 - 18	2
50	110	50	3 - 18	2
100	210	100	3 - 18	2.5
250	520	250	3 - 18	2,.5

Multi Mill

Technical Specifications:

MODEL	GMP-250
Output	50-250 Kg/hr
Rotor Diameter	250 mm
Rotor Speed	750/1500/2300/3000 RPM
No. of Beater	12 knife and impact edges & 2 scrapper blades
Screen Dimension	Inner – 260 mm
Screen Height	135 mm
Motor	3 HP/ 1440 RPM/ 415 Volts/ 50 Hz
Starter	"DOL" with reversible switch
Material Charging Height	1445 mm
Material Discharging Height	730 mm

Vibro Sifter

Technical Specifications:

MODEL	12"	20"	30"	36"	48"
Screen Diameter(mm)	310	500	750	900	1200
Capacity (Kg/hr)	1 - 10	20 - 40	100-200	200 -300	300 -400
Material Charging Height(mm)	765	1150	1270	1300	1340
Material Discharging Height(mm)	510	600	730 & 880	775 & 900	910 & 1065
Motor (HP)	0.25	0.25	0.5	1	1.5

Colloid Mill

Technical Specifications:

MODEL	GMP - 15 (Vertical/ Horizontal)
Output	100 to 1500 Liters/hour
Particle Size Reduction	5 to 10 Micron
Hopper Capacity	15 Liters
Motor	3 HP/ 2880 RPM/ 3 Phase

Paste Kettle

Technical Specifications:

MODEL	5 LITERS TO 200 LITERS
Thickness	4 mm
MOC	All contact parts made from S.S. 316 and non-contact parts S.S. 304
Jacket	S.S. 304 Jacket will be provided with all connection – 4 mm thick
Lid	Loose lid in two pieces provided

Lifting Tilting System

Technical Specifications:

Bowl Capacity (Kg)	60	120	150	200	250	300	400	500
Hydraulic Motor HP	2	2	2	3	3	3	5	5