



# Brilliant<sup>®</sup>

Process Machinery Pvt. Ltd.

*Leaders in Process Machineries*



*The Name of Quality & Service...*

Mfg. of Machineries for  
Pharmaceutical | API & Bulk Drugs | Cosmetics | Chemical | Food & Beverage Industries

[www.brilliant-process.com](http://www.brilliant-process.com)  
[www.brilliantprocess.in](http://www.brilliantprocess.in)



An ISO 9001:2015 Certified company



# Company Profil

BRILLIANT PROCESS MACHINERY PVT. LTD. (BPM) is one of the leading manufacturers of pharmaceutical and chemical processing machineries, with over 25 years of excellence in the industry.

BPM is ISO 9001-2015 certified company our quality system is as per ISO 9001-2015 Standard and comply with WHO, GMP, MCA, MCC and international FDA guidelines, process equipments are also fabricated under international code like ASME, DIN, TEMA, in material of construction are S.S.316/L, S.S. 304/L.

The outstanding track record of BPM is provided its success in meeting the customer needs in the rapidly evolving and specialized field of processing machineries. (BPM treats its positions the best reward accorded by its commitments).

Facing the challenges we have been able to withstand the test of time and marched ahead with success. The success based on efforts of our team ,active participation of our customers, who have acknowledge our products, our team felt that we need to have a brand name . which has been created by our quality products made with precision. A brand name came into existence as 'BPM' for the quality products manufactured by us.

We believe that company's value is not solely determined by its turnover or its assets size, but mostly by its director and employee's determination to success and fulfill their customers' needs.

We also believe that our success and achievements are due to the confidence and trust of our valued customers.

BPM has exported machine in USA, Australia, South Africa, East Africa, Nepal, Malaysia, Syria, U.A.E. and Many more.

**Vision & Mission** To become a leading organization in pharma machinery by innovating Value for Money products and services.

**Values** Integrity, Innovation, Quality, Customer Focus, and Commitment in every step we take.

**Brand Promise** Delivering Value for Money products without compromising on quality — Brilliant is the name of trust in our industry.





## BRILLIANT'S SVP / LVP STERILE MIXING VESSEL

### SALIENT FEATURES:

CAPACITY : 20 Ltrs.to 20000Ltrs

Brilliant's SVP & LVP Mixing Vessels are designed for sterile, high-quality liquid formulations in pharma and biotech industries. Built to ASME, BPE, and EHEDG standards, they ensure total hygiene and process safety.

The zero dead-leg aseptic design with nitrogen purging and a 0.2µ vent filter prevents contamination. A magnetic drive agitator offers leak-free, maintenance-free operation.

Engineered for precision, sterility, and consistency, these vessels assured superior product quality every batch.



Zero Dead Leg Valve with Sampling Port



Magnetic Stirrer



High-Shear mixer



Light & Sight Glass



Spray Ball CIP / SIP



Filter Housing



Sterile Flanges



Pneumatic operated Sterile Diaphragm Valve



Load Cell



PRESSURE VESSEL MEMBRANE FILTER AND FILLING VESSEL



STERILITY TEST UNIT



W F I STORAGE VESSEL



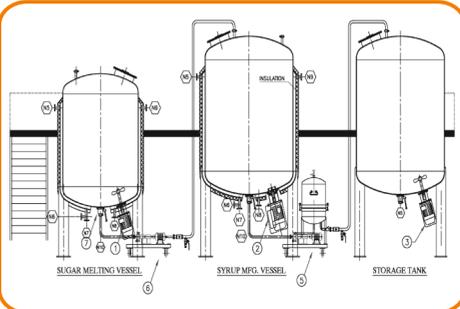
MULTI-COLUMN DISTILLATION PLANT



BUNG WASHING



## BRILLIANT'S AUTOMATIC LIQUID ORAL / SYRUP MFG. PLANT



Model Available : 1000 Ltr to 50000 Ltr capacity

Brilliant's Automatic Syrup Manufacturing Plant is a fully integrated, high-efficiency system designed for hygienic and consistent syrup production from 1,000 to 50,000 liters. It operates with minimal manpower, reducing costs while boosting productivity. Jacketed vessels allow precise heating, cooling, and vacuum transfer for direct sugar loading. Online pre-filtration ensures crystal-clear syrup quality. Bottom propeller agitators with mechanical seals deliver smooth, vibration-free performance and low maintenance. All contact parts are SS316 / SS316L Quality mirror polished / electropolished for maximum hygiene. A digital control panel monitors temperature and safety systems in real-time. with optional PLC and Load Cell automation, this plant ensures precision, reliability, and superior batch quality every time.

### BRILLIANT'S PROCESS CONTROL

Values like current product temperature are displayed digitally on the electrical control panel. The mechanical seal is equipped with a water circulating system and has a water detection sensor which trips the motor, if the water circulation to the seal is interrupted.



REACTOR



STORAGE TANK



INLINE HOMOGINIZER



TRIPLE LAYER INLINE HOMOGINIZER



## ZERO FILTER PRESS

Brilliant's Zero Hold-Up Filter Press is a high-performance reverse flow filtration system designed for complete batch filtration without any liquid hold-up, ensuring maximum product recovery, purity, and efficiency. Its innovative bottom-to-top filtration flow achieves nearly 100% filtration with no wastage, making it the preferred choice for pharmaceutical, chemical, cosmetic, and food industries.



Model	Dia. of Plates	No. Of Plates	Filtering Area m <sup>2</sup>	Cake holding Cap. (Ltrs)	Flow Rate/Hrs	Size of Pump	Motor HP
BPMZH - 8	8"	6 Plates	0.217	4.9	600	½"	1 HP
		8 Plates	0.279	6.3	800	½"	1 HP
		10 Plates	0.341	7.7	900	½"	1 HP
BPMZH - 14	14"	4 Plates	0.421	12.4	900	1"	2 HP
		8 Plates	0.819	24.75	1500	1"	2 HP
		10 Plates	1.001	30.25	1700	1"	2 HP
		12 Plates	1.183	37.75	1900	1"	2 HP
BPMZH - 18	18"	10 Plates	1.65	55	4000	1 ½"	3 HP
		12 Plates	1.95	65	4600	1 ½"	3 HP
		15 Plates	2.4	80	5500	1 ½"	3 HP
		18 Plates	2.97	96	6200	1 ½"	3 HP
		21 Plates	3.46	116	7200	1 ½"	3 HP
		24 Plates	3.75	125	8200	1 ½"	3 HP
BPMZH - 24	24"	14 Plates	3.912	135	6500	2"	5 HP
		15 Plates	4.192	144	7000	2"	5 HP
		18 Plates	5.035	171	8500	2"	5 HP
		21 Plates	5.878	198	10000	2"	5 HP
		24 Plates	6.625	225	12500	2"	5 HP
BPMZH - 33	33"	7 Plates	4.176	144	7000	2"	5 HP
		10 Plates	5.736	171	8500	2"	5 HP
		14 Plates	7.821	198	10000	2"	5 HP
		22 Plates	12.5	225	12500	2"	5 HP

## MANUFACTURING VESSEL

MIXING VESSEL : Brilliant's Manufacturing Vessel is designed for producing suspensions, gels, and liquid formulations with superior hygiene and precision. Constructed with SS316 /SS316L contact parts and SS304 jackets, it ensures long-lasting performance and cleanliness.

Available in capacities from 10ltr to 50,000 ltrs

### UNIQUE FEATURES OF THE FACILITY:

- ASME-compliant argon arc welded joints for strength and safety.
- 50mm Rockwool insulation minimizes heat loss and saves energy.
- Mirror-polished, crevice-free surfaces prevent bacterial growth. Digital
- Values like current, product temperature are displayed digitally on the electrical control panel.

### BENEFITS:

Delivers contamination-free processing, uniform heating/cooling, and easy cleaning for consistent product quality. it's ideal for both lab and large-scale pharmaceutical production.



NUTSCHE FILTER



TANK WITH STIRRER



SEMI - AUTOMATIC FILLING MACHINE



R.B.W & TURN TABLE



## BRILLIANT'S FLUID BED DRYERS

Capacity Available : 5kg. to 500kgs.

Brilliant's Fluid Bed Dryer (FBD) ensures fast, uniform, and gentle drying of powders and granules with superior efficiency. Its fluid-bed technology prevents lumping and overheating, delivering consistent product quality. Made from high-grade stainless steel, it offers durability, easy cleaning, and full GMP compliance. It's ideal for reliable and energy-efficient drying operations.



### FBD TECHNICAL SPECIFICATION

MODEL	LAB-5	FBD-15	FBD-30	FBD-60	FBD-120	FBD-200	FBD-300	FBD-400	FBD-500
Container Volume (Ltrs)	18	46	71	142	288	475	650	875	1110
Batch Size (kg) Min. & Max.*	2 to 5	5 to 10	15 to 30	30 to 60	60 to 120	120 to 200	200 to 300	300 to 400	400 to 500
Blower Motor HP*	1.5	3	5	10	15	20	25	30	40
Air Flow (CFM)	270	429	706	1059	1882	2588	3235	3824	4412
Air Flow(m <sup>3</sup> /hrs)	460	730	1200	1800	3200	4400	5500	6500	7500
Static Pressure (mm of water)	600	600	600	600	800	800	800	900	900
Steam Pressure (kg/cm sq.)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Steam Consumption (kg/hr)	29	36	50	72	144	216	250	288	344

## RAPID MIXER GRANULATOR

Capacity Available : 5Ltr. to 1000Ltrs.

Brilliant's Rapid Mixer Granulator (RMG) ensures fast, uniform mixing and granulation for tablets and capsules with consistent quality. Its high-speed impeller and chopper deliver superior blending and reduced processing time. Made from GMP-compliant stainless steel, it assured hygiene, easy cleaning, and durability. It's ideal for pharmaceutical and nutraceutical production.

### RAPID MIXER GRANULATOR: TECHNICAL SPECIFICATION

GROSS CAP LTRS	WORK CAP LTRS	MAIN MOTOR 750/1500	GEAR BOX	CHOPPER MOTOR 1500/2880	SPACE REQUIRED L X B X H MM
25	20	3/5	3.5"	1.5/2	1200 X 650 X 1600
100	80	10/15	5"	2/3	2000 X 1700 X 1900
150	120	10/15	5.5"	3/5	2200 X 2100 X 2300
250	200	25/30	7"	3/5	2500 X 2100 X 2350
400	320	30/40	8"	5/7.5	2800 X 2400 X 2500
600	480	40/50	10"	7.5/10	2900 X 2500 X 2650
1000	600	63/85	12"	10/15	3200 X 2750 X 2900



MULTI MILL



VIBRO SHIFTER



FRITZ MILL & CONE MILL



GRANULATOR



VACUUM TRAY DRYER



## OCTAGONAL BLENDER

### SALIENT FEATURES:

Capacity 10 Ltr. to 10000 Ltrs.

Brilliant's Octagonal Blender is built with SS316 /SS316L Quality contact parts and internal special design baffles for efficient and uniform mixing of powders and granules. It features a manhole with gasket for easy cleaning and maintenance. Charging and discharging are done through a butterfly valve, with conical adaptor or Optional bin charging system or Vacuum charging system. All moving parts are enclosed with safety guards, and a limit switch ensures operator safety. Optional manual inching and flame-proof motors with push-button stations enhance safety and operational flexibility.



## AUTO COATER

Capacity Available : 6" to 72"

Brilliant's Auto Coater delivers fast, uniform, and precise tablet coating with superior finish and efficiency. Featuring a perforated SS316 pan, VFD-controlled speed, and PLC touchscreen control, it ensures accuracy and flexibility. The integrated hot air, exhaust, and CIP systems enable quick drying and easy cleaning. Compact, hygienic, and GMP-compliant — it's the perfect solution for modern coating applications



## ROTOCON VACUUM DRYER (RCVD)

Capacity 10 Ltr. to 10000 Ltrs.

Brilliant's Rotocon Vacuum Dryer (RCVD) ensures fast, uniform drying and coating under precise vacuum conditions. Constructed with SS316 contact parts and jacketed heating, it's ideal for heat-sensitive or solvent-based products. The efficient Mixing and vacuum system enhance drying speed and solvent recovery. Compact, energy-efficient, and GMP-compliant — it delivers superior quality with easy maintenance.



COATING PAN



RIBBON BLENDER



PASTE KETTLE



TRAY DRYER



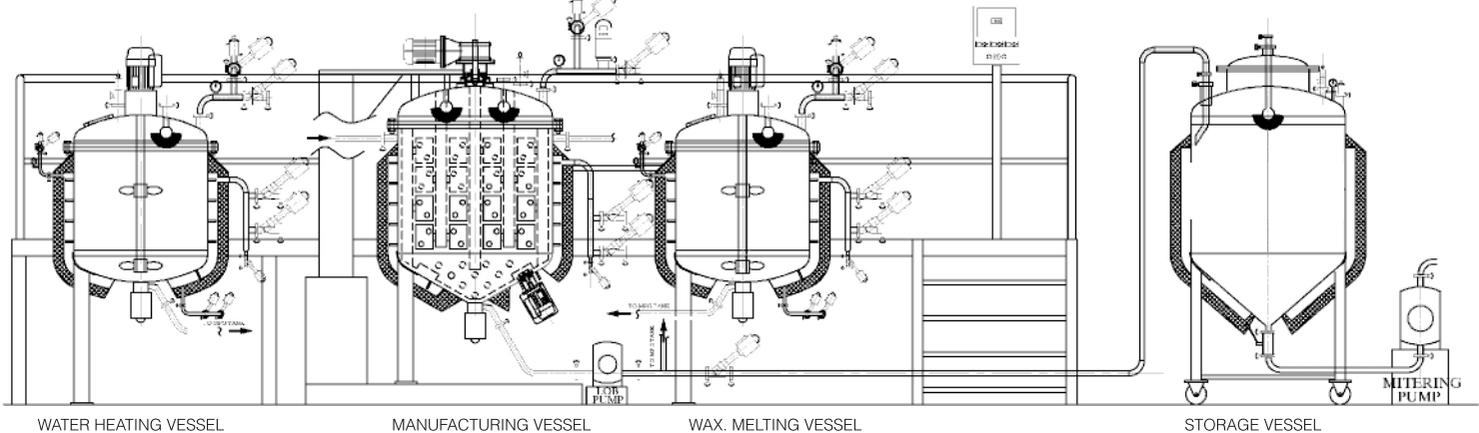
BIN BLENDER

# BRILLIANT'S Automatic Multimix Ointment Cream Mfg. Plant



Model Available : 10kgs. to 5000kgs. Batch Capacity. (GMP MODEL)

BRILLIANTS SPECIAL DESIGN



### OINTMENT PLANT COMPROMISES FOLLOWING COMPONENTS

Manufacturing vessel and agitators are made out of AISI SS 316 fitted with flush bottom valve. Wax/water phase vessel with side mounted fast speed stirrer, flush bottom valve and conical filter. Manufacturing vessel with variable speed anchor and fast speed emulsifier fitted with mechanical seal. Jacket is AISI SS 304 / mild steel with rock wool insulation & AISI SS 304 cladding. Lifting hydraulic for manufacturing vessel. Spray ball install on top cover for cleaning main vessel. Monitoring of the product temperature, PT 100 probe with digital indicator on panel. Electric control panel board with all necessary controls. Optional item Load cell, PLC, Contra Type agitator for calcium based toothpaste



AEROSOL MIXER



COLLOID MILL



SHAMPOO MFG. VESSEL



HOMOGENIZER



In view of technical progress designs and dimensions are subject to change without notice

UNIT NO.1,  
 PLOT NO. 371/A/9/4,  
 BRILLIANT HOUSE, LOTUS  
 INDUSTRIAL ESTATE, VASAI PHATA,  
 VASAI(EAST) - 401208. INDIA

UNIT NO.2,  
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 ESTATE, OPP. IPOL, WALIV PHATA,  
 VASAI (EAST), DIST -  
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