

About SSPM

Since 2001, SSPM is an active contributor of solid dosage process and formulation equipment, tablet coating system, material handling system and other ancillary equipment under the brand name of “**SIGMA**”

The goal of SIGMA is to achieve a level of quality that is nearly perfect. We always thrive by our SIGMA rule to produce quality and efficiency and reducing errors and defects. By applying comprehensive approach such as *Define, Measure, Analyze, and Improve & Control* to achieve process improvement which enhance customer satisfaction.

SSPM has headquarter in Ahmedabad, INDIA and global presence with an extended sales network spread over 4 continents. The manufacturing facility is spread over an area of 40,000 Sq. Ft. and office area is over 10,000 Sq. Ft. with latest set of manufacturing equipment.

We have well-constructed Research & Development unit where our research associates conduct survey thorough market research in order to develop high end machines. Abiding by the business ethics and quality policies, we ensure that we always meet the stringent quality standard.

With our intensive research processes, we often find innovative solutions for developing and designing machines, plants as per industrial standard. We lay immense emphasis on quality and performance of our machines therefore we experiments and execute new technology in manufacturing our machines and systems. Our strenuous efforts towards this direction enable us to make clients satisfy and hence getting appreciation from customers spread across the globe.

SSPM is a **ISO 9001:2015 Certified Company** which follows **GMP Rules & Regulations** to ensure quality and SSPM has been a supplier of equipment which compliance all **cGMP norms and regulated by**,



After Sales - Service

Be at ease! We know the value of return on investments. We know how you truly rely on our equipment to get most of your productivity. SSPM always stands by your side when in need to guide and support our end user with following:

- ☐ Operator Training
- ☐ Process Optimization
- ☐ Machine Upgradation/Software upgradation
- ☐ Annual Maintenance Services
- ☐ Cleaning and Maintenance guidelines
- ☐ Documentation

We have Senior Service Engineers and process experts who are willing to serve customer worldwide. We are only one call away to help you out 24*7, 365 days a year!

Further to this, if you are looking for any spares/man day visits/online support/technical assistance please drop down an e-mail with query and submit to us at service@sspm.com

SigmaForm™

[Vacuum Rated Design]

Pilot / Production Scale Fluid Bed Dryer

SigmaForm™ is prominently used in the pharma, food and chemical industries for drying of wet mass material. We believe that dryer should meet requirement to reduce OPEX of any plant as it is high utility consumption equipment among others.

SigmaForm™ is suitable for Drying, Top Spray, and bottom spray (Pallet Coating) application.

For Production Scale



Lab Scale Fluid Bed Dryer

Purpose behind R & D and/or Lab scale dryers is to be confident about the process parameters and after that you can easily scale up your batches.



SSPM Lab Scale Fluid Bed Dryer is equipped FBP Provision and can witness all the features and parameters which pilot and production scale Fluid Bed Dryer will have.

It is designed in a resourceful, convertible way and can be put on wheels if user wishes.

Interchangeable facilities can be integrated within the system to obtain greater span of batch capacities

For Lab Scale



KEY FEATURE	STRENGTHS
Designed for 2 bar pressure	SigmaForm™ promises to be resistant of 2 bar pressure hence high safety protocol can be achieved
12 bar designed equipment can be available	No mechanical damage/deformity or component damage can be seen
Auto Discharge from RMG to FBD	<ul style="list-style-type: none"> <input type="checkbox"/> Ensures quick charging of sized particle granules into a dryer via a close loop system <input type="checkbox"/> Gives optimum results when placing both equipment in a single room <input type="checkbox"/> Dust free solution <input type="checkbox"/> Minimal man power required 
Product container with Tilting Arrangement with sampling port	<ul style="list-style-type: none"> <input type="checkbox"/> To check % LOD of the dried material can be collected via sampling port <input type="checkbox"/> Tilting assembly can reduce the unloading procedure hassle and ensure faster material discharging process
Automation and Control System	<ul style="list-style-type: none"> <input type="checkbox"/> Control system via PLC and HMI <input type="checkbox"/> User friendly operational philosophy and optimized process technology
21 CFR PART 11 COMPLIANCE	<p>Compliance with 21 CFR PART 11, ATEX, GMP</p> <p>This system ensures higher safety, data retention and recipe management policy with full secure controls which satisfy auditor and regulatory bodies</p>
In FBP Provision, special designed spray gun can be integrated with the existing system with few other parameters shall change	<p>Spray gun will have great angle to cover the FBD shell to make uniform granules</p> 

Additional Key Features

- ❑ Meticulously designed and validate operation to serve quality and efficiency
- ❑ Utility consumptions is the key benefit due to Air Handling Unit design and its build quality
- ❑ All the seals, gaskets and filter bags are of silicon and other food grade material
- ❑ Anti-Static filter bags can be provided for Flammable products
- ❑ In case of material escapism, solid flow monitor can be integrated within the system to check the leakage of powder above the filter bag area to prevent the further damage of blower and other related instrument

Technical Specifications

SigmaForm™							
Model	2	5	10	30	60	120	160
Container Vol.	6 L	15 L	30 L	90 L	180 L	360 L	480 L
Optimum Batch Capacity @ 0.5 BD	1 To 2 KG	2.5 To 5 KG	5 To 10 KG	15 To 30 KG	30 To 60 KG	60 To 120 KG	80 To 160 KG
Output will be depended upon B.D of Product							

SigmaForm™						
Model	250	300	350	400	500	600
Container Vol.	750 L	900 L	1050 L	1200 L	1500 L	1800 L
Optimum Batch Capacity @ 0.5 BD	125 To 250 KG	150 To 300 KG	175 To 350 KG	200 To 400 KG	200 To 500 KG	300 To 600 KG
Output will be depended upon B.D of Product						

Compliance:



Fluid Bed Dryer / Processor / Coater
By,
SSPM Systems & Engineers Pvt. Ltd.

Thank You!



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“SigmaForm™ can save your time and utility ~ A Promise To Deliver”

