

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,**



About SSPM

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!

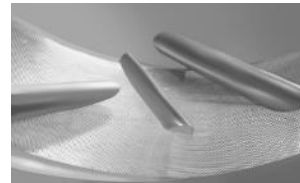
Further to this, if you are looking for any spares/man day visits/online support/technical assistance please drop down an e-mail with query and submit to us at service@sspm.com

SigmaCoat™

[Vacuum Rated Design]

Pilot / Production Scale Coater

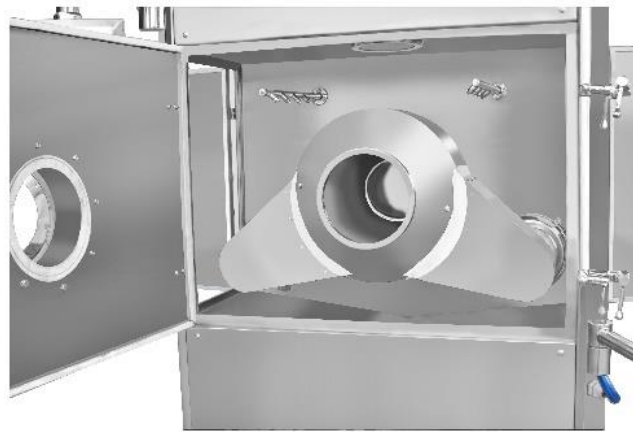
SigmaCoat™ ensures high accuracy of tablet coating with greater speed response and having extraordinary efficiency and reliability. SigmaCoat™ delivers high standard performance and swift economical solutions to your process. Innovative science based continual developments in all areas of SigmaCoat™ such as tablet mixing, rolling, drying, spraying system, cleaning system & control system technology will guarantee a highly controlled process and ensuring a delivery of a high-quality end product. All types of coating such as Film Coating, Enteric Coating, and Sugar Coating can be accomplished by SigmaCoat™.



Lab Scale Coater


Purpose behind R & D and/or Lab scale Tablet Coating System is to be confident about the process parameters and after that you can easily scale up your batches. SSPM Lab Scale Tablet Coating System is equipped with all the features and parameters which pilot and production scale Coater will have.

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



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.
- Besides, SigmaCoat™ serves greater air-drying ratio due to right angle of inlet and outlet plenum gives optimum air flow to the bed thus saving process time further.
- In addition to above points, it has been concluded by various tests and experiments at customer end that SigmaCoat™ saves coating solution up to 10% which ultimately reduces operation cost of the plant.
- Same unit can be converted to sugar coating equipment just by adding sugar coating attachment and few ancillary instruments.

KEY FEATURE	STRENGTHS
Perforation of Coating Pan	32% Opening of perforation gives higher volume of air flow within pan thus makes drying of tablets faster and accurate
Accurately designed 3 Level Spray Gun Adjustment	To optimize batch capacity, we have discovered gun to bed height adjustment via mechanical lever; To adjust spray gun angle we have given full control via fly wheels with angle markings
Spray Nozzle with Anti Bearding Cap - SPRAYING SYSTEMS of USA Make	<ul style="list-style-type: none"> <input type="checkbox"/> Easy to clean and maintain <input type="checkbox"/> No product clogging and jamming <input type="checkbox"/> Full coverage of pan <input type="checkbox"/> Homogenous, adjustable spray pattern 
Tablet charging and discharging facility	<ul style="list-style-type: none"> <input type="checkbox"/> By integrating right angled baffle in to pan can have accurate discharge of tablet coating while rotating in a reverse condition <input type="checkbox"/> Dust free discharge of tablets <input type="checkbox"/> 100% discharge guarantee within 15 minutes without any leftovers
Interchangeable Coating Pans for flexibility	User can get maximum benefit of interchangeable facility of pan to get different batch capacities according to their feasibility of production
Integrated Peristaltic Pump	<ul style="list-style-type: none"> <input type="checkbox"/> SigmaCoat™ performance highly rely on our peristaltic pump and its flow of disperse of solution, this can optimize your overall coating process time <input type="checkbox"/> Excessive solution return line to ensure no waste of solution this reduces manufacturing cost by at least 10 to 15% <input type="checkbox"/> Separate liquid line for all spray guns to maintain simultaneous flow
SSPM In House designed wet scrubber	To support health, safety and environment SSPM signify using scrubbers to comply with the regulatory audits
Automation and Control System	Control system via PLC and HMI
21 CFR PART 11 COMPLIANCE	Compliance with 21 CFR PART 11, ATEX, GMP This system ensures higher safety, data retention and recipe management policy with full secure controls which satisfy auditor and regulatory bodies
Sigma WIP as in WASH IN PLACE System	Optional feature and is efficient of cleaning dead end corners by setting nozzles at different angles

Technical Specifications

SigmaCoat™										
Model	12"	18"	24"	30"	36"	48"	52"	60"	66"	72"
Pan Dia.	305 mm	455 mm	610 mm	760 mm	910 mm	1220 mm	1320 mm	1524 mm	1675 mm	1830 mm
Brim Vol.	1.4 L	7 L	20 L	40 L	70 L	200 L	270 L	400 L	470 L	670 L
Optimum Batch Capacity @ 0.5 BD	0.5 To 1 KG	2.5 To 5 KG	7.5 To 15 KG	15 To 30 KG	25 To 50 KG	75 To 150 KG	100 To 200 KG	150 To 300 KG	175 To 350 KG	250 To 500 KG
Output will be depended upon Tablet Size, Shape and B.D of Product										

Compliance:



Tablet Coating System

By,

SSPM Systems & Engineers Pvt. Ltd.

Thank You!



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“Your global partner for better tablet coating: use your freedom to invest”

