

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

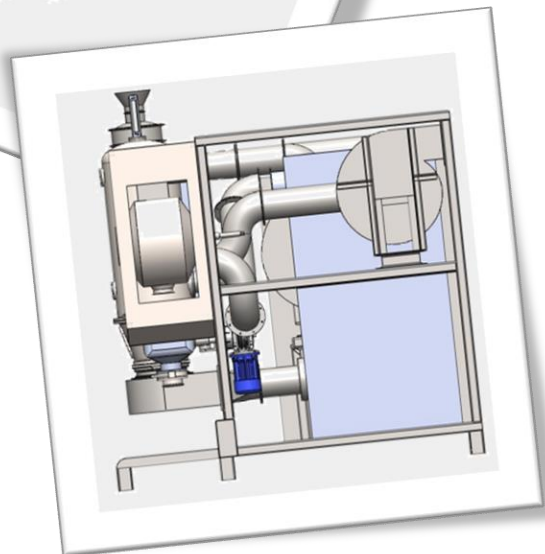
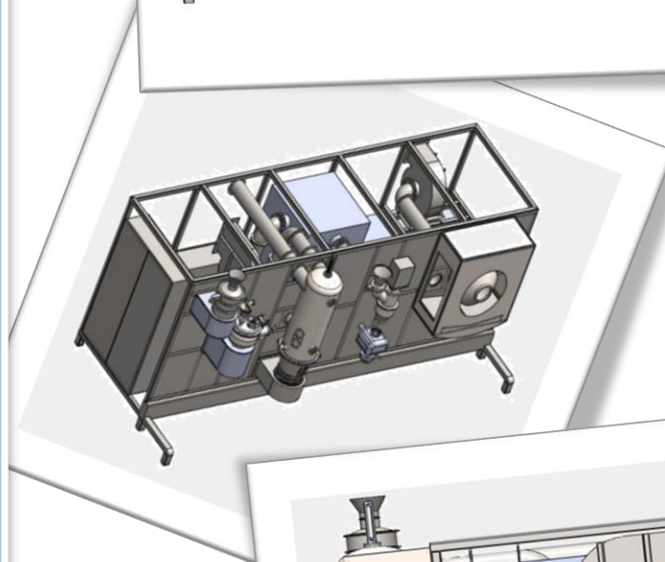
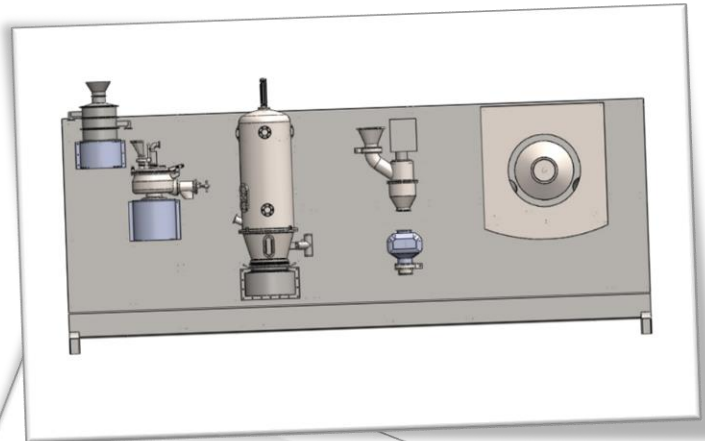
We have Senior Service Engineers and process experts who are willing to serve customer worldwide. We are only one call away to help you out 24*7, 365 days a year!

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

SigmaWall

[Vacuum Rated Design]

**R & D PROCESS
EQUIPMENT**



Why we have developed R & D set up of Process Equipment?

- ❑ To meet the requirement of advanced research and technological era around the world, Lab on Wall concept gains a wide supportive and affirmative response.
- ❑ By implementing all the R & D scale equipment on the wall gives numerous benefits to the end user. It can handle all process regarding solid oral dosage forms and tablet coating.
- ❑ This compact, wall type model is capable of performing sifting, mixing, drying, milling, blending and coating operations – All in one!
- ❑ We offers Pneumatic Conveying System which can be integrated on the same wall for ease of operation, quick and dust free transfer of product. It is highly recommended to use SigmaTrans for health and safety factor which can reduce the risk of cross contamination.
- ❑ Equipment can be operated through common operating panel with color touch screen and PLC with batch printing facility.
- ❑ 21 CFR PART 11 Compliance can be given on request
- ❑ SSPM offers containment solutions such as isolator in R & D scale up to 20 Kg (Suitable for oncology and hormonal products)
- ❑ Comply with OEL 3 AND OEL 4



SigmaWall



SigmaSift™

- ❑ Due to its vibratory effect it can sift the raw material, removes impurities and achieves desired sized of granules through different types of mesh (Screen)
- ❑ Ultrasonic system can be provided



SigmaGran®

- ❑ Our Versatile wet granulator ensure homogenous and uniform mixing
- ❑ Accurate in End Point Detection by ampere, time and torque method
- ❑ Interchangeability of bowls can be feasible
- ❑ Looping granulator discharge housing to SigmaForm™ through Hose pipe with accuracy of 100% discharge of material



SigmaForm™

- ❑ Suitable for drying/ top spray and bottom spray application
- ❑ Having Condiur distribution plates, drying time can be minimized as it will create vortex flow inside dryer shell
- ❑ Interchangeable container up to 20 kg
- ❑ Filter bag blockage monitoring system



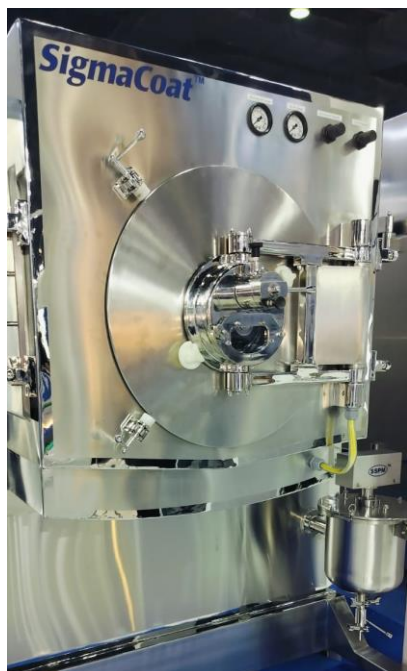
SigmaMill

- ❑ *There are number of reasons for sizing & milling, including increasing homogeneity and dosage uniformity, increasing bio-availability, and increasing the solubility of the drug compound.*
- ❑ *Rest assured, Sigma Mill is capable of performing effective and uniform sizing and also you can have options of selecting different sizes of screen as per your defined output size*



SigmaBlend

- ❑ *Efficient, gentle mixing/blending of compounds ergonomically*
- ❑ *Interchangeability of bins can be feasible*
- ❑ *We can have a choice of blenders such as conta, V, Octa and Double cone*



SigmaCoat™

A Trusted Tablet Coating System

- ❑ *Seamlessly Designed*
- ❑ *Proven technology*
- ❑ *Productive and Constructive approach*
- ❑ *Capable for handling smaller batches - minimum of 0.5 gm (*Depends on the Bulk Density)*
- ❑ *Wide coverage of spray nozzles having anti-bearding technology*
- ❑ *Infrared sensor for measurement of temperature of the product*
- ❑ *Appearance of coated tablets is defect free & smooth due to our meticulous manufacturing tactics*

All equipment can be integrated with Programmable Logic Controllers and common HMI:

Automation and Control System	<ul style="list-style-type: none"> - Control system via PLC and HMI - User friendly operational philosophy and optimized process technology
21 CFR PART 11 COMPLIANCE	<ul style="list-style-type: none"> - Secure control and data management policy satisfy auditor and regulatory bodies

- ☐ Air handling unit is placed inside the body
- ☐ Less consumption of space/area.
- ☐ All equipment's are inline
- ☐ On Backside of the wall there is common utility division
- ☐ All separate machines can be operated through common operating panel with PLC and Color touch screen HMI
- ☐ Contact parts should be SS 316 / SS 316L
- ☐ All the gaskets are silicon and other food grade material
- ☐ Compliance with all safety interlocks
- ☐ Meeting quality and safety standard as per cGMP guidelines

Technical Specifications

Types Of Equipments	Capacity
SigmaSift™	12"
SigmaGran®	2.5/5/7.5/10 L
SigmaForm™ [Dryer/Processor/Coater]	2/5/10/20 KG
SigmaMill [CoMill]	20 To 40 KG
SigmaBlend	5/10/15/20/25 L
SigmaCoat™	6"/12"/18"

Compliance:



Thank You!



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