

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

SigmaBlend

[Vacuum Rated Design]

Application

“SIGMABLEND” is an essential equipment of heavy pharmaceutical production process as it helps in mixing of two or more pharma substances to form a homogenous mixture. We offer Vacuum rated design for dust free environment

We offer different types of blenders like Double Cone Blender, Octagonal Blender, Conta Blender, V- Blender and Ribbon Blender

We are more inclined towards seamless & tool free design for easy cleaning which reduces production down time

Octagonal Blender

Sigma impeller is provided inside the bin with ease of removable pin locking system and safety railing with alarm to prevent accident.

Sigma Blend come up with a manually operated butterfly valve at discharge with special design adaptor for further safety of material. For higher capacity of blender we provide Pneumatically Operated Valve at discharge to reduce powder leakage and manual intervention.

You can also discharge the material by pneumatically operated butterfly valve for higher capacity of batches



For Production Scale

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

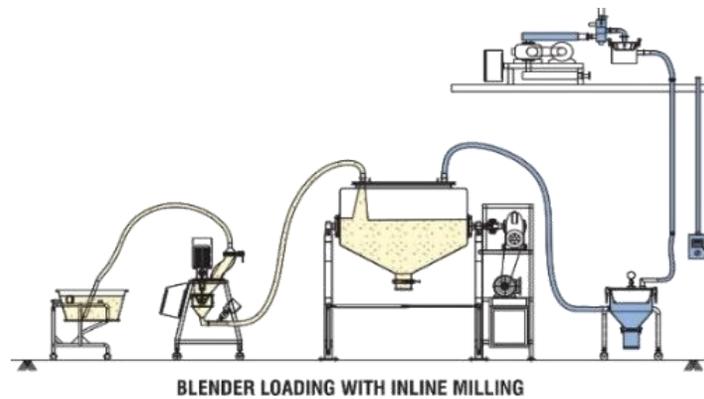
For Lab Scale



Interchangeable facility can be available to serve higher span of batches

Sigma Mill is designed in such a way that one can easily load the blender with inline milling process with help of Pneumatic Conveying System.

Both equipment should be vacuum rated to serve this purpose.



Double Cone Blender

Major benefit of DCB blender is that we can have a facility of interchangeability of bin, so different size of Batch or Lot can be blend in different size of bin in common drive unit.

Safety railing with alarm to prevent accident

For Production Scale



For Lab Scale



Pneumatically Operated Valve at discharge to reduce powder leakage and manual intervention.

Can connect with PCS and load the material into Blender through Co Mill to achieve dust free and quick transfer of material.

Conta Blender

Major benefit of DCB blender is that we can have a facility of interchangeability of bin, so different size of Batch or Lot can be blend in different size of bin in common drive unit

Blending and lifting positions are interlocked with safety system.

For Production Scale



The benefit of pillar type blender is you can have an option to discharge the blended material in to other drum or bin.
Can connect with PCS and load the material into Blender through Co Mill to achieve dust free and quick transfer of material



For Lab Scale

V Blender

Due to its shape it can enhance the blending process without changing material original property.
V Blender can reduce product contamination and it is easy to clean.
Free flow of material provides gentle mixing action.
An Intensifier bar can be integrated in the machine for mixing of fine / minor granules to great extent.



Ribbon Blender

In Ribbon Blender, the powder moves from center to the end of container and end of container to the center. Hence requirement of total mixing time is very less.

Blender stirrer & Gear box will be coupled with couple drive.

Impeller assembly will maintain for clearance gap of bin.

Design of Impeller in such a way that material mixing will be homogeneous.



Baffles Design

- SSPM will offer few more types of blenders such as Roto Cube & Rotary drum type blenders.
- Railing sensors and limit switches can be provided for further safety.
- For inside cleaning of bin, Spray ball assembly with piping arrangements can be done.
- Contact parts should be SS 316 / SS 316L.
- All the gaskets are silicon and other food grade material.

All Blenders can be integrated with Programmable Logic Controllers and 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

Technical Specifications

TYPES OF BLENDERS	CAPACITY
Octagonal Blender	2.5 L To 10,000 L
Double Cone Blender	2.5 L To 10,000 L
V Blender	2.5 L To 10,000 L
Bin/Conta Blender	2.5 L To 10,000 L
Ribbon Blender	2.5 L To 10,000 L
Output will be depended upon B.D of Product	

Compliance:



Blenders & Mixers
By,
SSPM Systems & Engineers Pvt. Ltd.

Thank You!



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Lubricant mixing takes good care for you!

