



# JD INDUSTRIES

Mfrs. of Pharma, Bulk & Food Processing Equipments

AN ISO 9001 : 2015 CERTIFIED COMPANY

[www.jdindustries.net](http://www.jdindustries.net)



## ABOUT US

JD Industries is having a 18yrs of experience in the field of PHARMA & BULK EQUIPMENTS , our company having a successful experience with new technologies, innovations, new idealization & implementation.

Our Company is equipped with high end infrastructure spread across 4000 sq.ft. of property includes sophisticated machineries, a state-of-the-art engineering and assembly department having a tool room section, a machining section, a drawing/designer's section, testing equipments.

“JD Industries” presents all Engineer Excellence for Innovation, by delivering optimum quality at best price. JD Industries manufactures different types of machines which include Pharma, Bulk, Cosmetic, Chemical, Agri and Aqua, Food Processing Machinery. The company is known for innovative manufacturer for processing system for drying, granulating, mixing, milling, size reducing, blending, coating, stirring & homogenizing units.

**VISION:** Our vision is to carve our self as one of the most dynamic and customer centric companies, where people can rely and discover all types of processing and Blending machineries. We endeavor to explore our efficiency in all ways to give the best products to our customers beyond their expectations in terms of wide range of selection, the lowest prices, prompt delivery and wonderful quality product experience to the buyers.

**MISSION:** Our each product is uniquely designed to meet our client's expectations. Our mission is very clear to serve customers by providing real essence of modern dynamics coupled with the advanced technology. We are continuously on the growth path to evaluate our machines.



# SIGMA MIXER WITH EXTRUDER



The Sigma Mixer with Extruder is used for mixing, kneading and extruding of highly viscous mass, sticky and dough like products, Mixing of pastes, rubber, and heavy plastic masses, The sigma kneader is a double arm mixer with two "Z" blades rotate towards each others at same or different speed inside a W-shaped product container.

The extrusion screw is located in the saddle section and runs in a cylindrical trough tangential to and below the 2 mixing blades.

- When the product has finished the mixing cycle, discharge/extrusion is performed simply by running the extrusion screw in a forward direction.
- The double arm sigma blades normally continue to run throughout the extrusion process providing a thoroughly mixed product at all stages of the production cycle.
- Speed variation of the extrusion screw allows adjustment of the product flow, depending on the viscosity.

**APPLICATION:** sigma mixers/blenders are widely used in Food, Pharmaceutical, Chemical and agro industries, Biscuit Dough, Soap industries, Putties, Ayurveda....etc

**SALIENT FEATURES:**

- Designed as per cGMP & Non GMP Standard Model
- Contact parts in AISI 316, AISI 304 or MS as desired by customer
- Shape of extruded material is adaptable to customer's requirements
- Automated mixing and granulating process in single bowl
- Available in Capacity from 50kg to 1000 kg
- There are different.

**OPTIONAL FEATURES:**

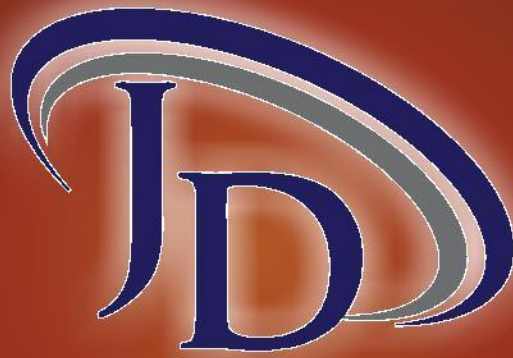
- PLC Controls with HMI touch screen
- Binder spraying system
- Product Bowl with Jacketing for heating and cooling
- Flame Proof Electrical
- Vacuum or pressure designs
- Automatic control of blade speed based on product viscosity.



## Technical Specification

MODEL	Total Capacity Litres	Working Capacity Litres
JDI/SME-5	8	3-5
JDI/SME -50	75	35-50
JDI/SME -100	150	70-100
JDI/SME -150	225	110-150
JDI/SME -200	300	150-200
JDI/SME -300	450	225-300
JDI/SME -400	600	300-400
JDI/SME -500	800	400-500
JDI/SME -750	1100	500-750
JDI/SME -1000	1400	700-1000

For Gear box and motor capacity please contact us



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