

COMPANY PROFILE

S. S. ENGINEERING is in the field of Manufacturing & Exporting of Chemical Processing equipments for the past three decades providing innovative & cost effective solutions to the Machinery & Equipment needs of various industries viz.

- **BULK DRUGS**
- **PLASTICS**
- **FOOD PROCESSING**
- **POLYMERS**
- **CHEMICALS**
- **ADHESIVES & COATINGS**



Our product range includes

- **REACTION VESSEL (JACKETED & LIMPET)**
- **HEAT EXCHANGERS (CONDENSOR)**
- **STORAGE TANKS**
- **MIXERS**
- **BLENDERS**
- **FILTERS**
- **EVAPORATORS**
- **DRYERS (DRUM DRYERS)**
- **CENTRIFUGES (HYDRO EXTRACTOR)**
- **DISTILLATION PLANTS**
- **DISTEMPER PAINT PLANT**

We undertake turnkey project for

BULK DRUG PLANT, POLYESTER RESIN PLANT, PHENOL FORMALDEHYDE RESIN PLANT, DISTEMPER PAINT PLANT, CATIONIC BITUMEN EMULSION PLANT, PVA/ALKYD RESIN PLANT

We also undertake development of various equipments as per Customers drawings, design and or Specifications.

We have full fledged production set-up comprising of Pyramid type Plate & Pipe Bending machines, Coil forming Hydraulic Press, Center Lathes, Drill, Air Plasma, TIG/MIG Welding Rectifiers, Hydraulic Testing Machine etc.

We have good teams of qualified production personnel comprising of qualified X-ray welders, fitters, engineers, working under quality conscious skilled supervisor.

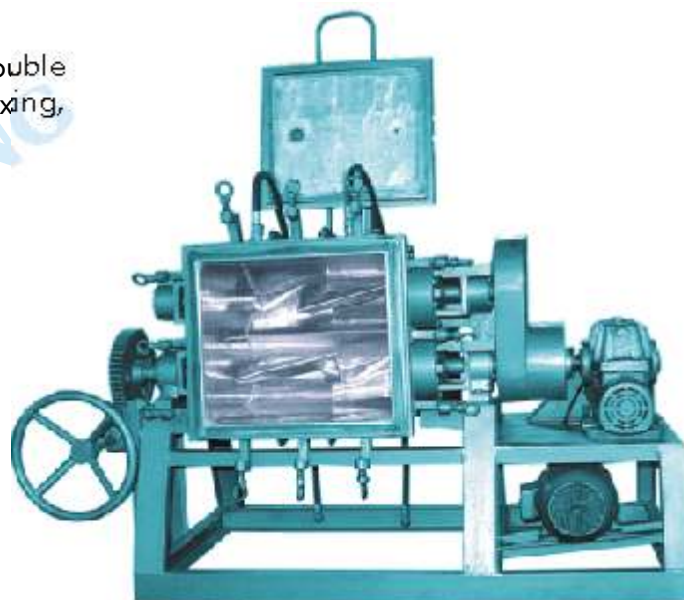
We assure timely execution of work entrusted to us maintaining optimum quality of workmanship giving reliable and trouble free performance of the Machines manufactured by us.

DOUBLE ARM MIXER CUM KNEADER

SIGMA MIXER

Introduces the most sturdy, heavy duty SIGMA MIXER for trouble free long term operation for various application like mixing, kneading, grinding, dispersion, drying etc.

Our SIGMA MIXERS have application to process Viscous to highly Viscous material in various industries viz. Adhesives, Brake lining, Chemical, Confectionery, Carbon Black, Ceramic, Dyes & Pigments, Food Products, Fibre Glass, Grease, Lead Storage Battery, Megnetic Tape Coatings, Paint, Polymers Plastic, Putties, Plastic, Pharmaceuticals, Printing Ink, Resin, Rubber, Soap & Detergent etc.



CONSTRUCTION

SIGMA MIXER consist of "W" shaped container made of either Mild Steel or Stainless Steel 304 or 316 with jacket of Carbon Steel covering two side for heating or cooling application & dust free cover to get Vacuum if desired or normal cover. The mixing elements (Blades) are of Sigma type Steel casted and duly finished two in number which contra rotate inward fitted at close or specified clearance with the container to give thorough and uniform mixing. Gland pusher with Gun Metal Bush ensures minimal friction and extends the life of mixing elements (Blades) Shaft.

DRIVE

The Drive Consists of Motor of type TEFC Or TEFC Flameproof of Specified HP. 1440 RPM, Reduction Gear Box Of Reputed Make having suitable size and ratio, Spur Gears, are also provided of adequate size and having machine cut teeth, between the front and rear blade complete with guard suitable for grease lubrication

STAND

The complete Mixer is Mounted on Steel Fabricated stand of suitable strength to withstand the vibration and give noise free performance.

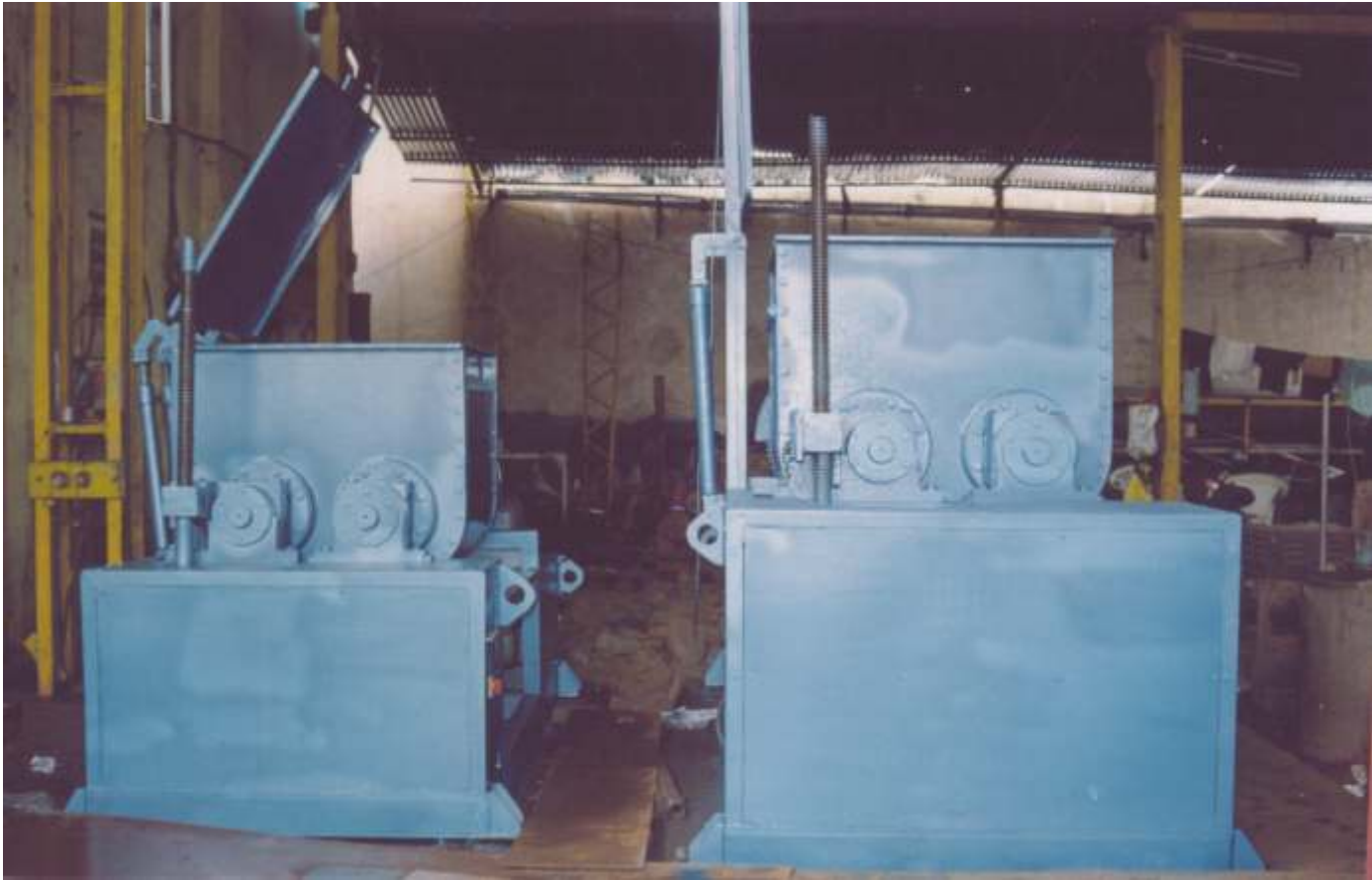
FEATURES

SIGMA MIXER as the name suggests contains mixing element (Blades) of Sigma type two in number which contrarotates inward to achieve end to end circulation, thorough & uniform mixing at close or specified clearance with the container. The mixed product can be easily discharged by tilting the container or Bottom Discharge by hand lever manually either by system of gears manually operated or motorised.

STANDARD MIXER - DESIGN FEATURES

MODEL	CAPACITY - LTRS.		MOTOR HP	MODEL	CAPACITY - LTRS.		MOTOR HP
	WORKING	BRIM			WORKING	BRIM	
SS-01	10	15	1	SS-40	400	550	25 / 30
SS-2.5	25	35	3	SS-50	500	650	40
SS-5	50	65	5	SS-100	1000	1250	50
SS-10	100	130	7.5 / 10	SS-150	1500	2000	60
SS-20	200	250	15 / 20				

DOUBLE ARM MIXER CUM KNEADER



BEARING SPECIFICATIONS

DOUBLE ROW SERIES, ANGULAR CONTACT METRIC, BALL BEARINGS - 3200							
MODEL	ID	OD	WIDTH	LOAD RATING - KN		SPEED LIMIT RPM GREASE	
				DYNAMIC-C	STATIC - CD		
25 Ltrs SS - 2.5	3208	40	80	30.2	37.5	34.5	5600
50 Ltrs SS - 5	3209	45	85	30.2	40	40	5000
100 Ltrs SS - 10	3210	50	90	30.2	45	45	4800
150 Ltrs 200 Ltrs SS - 20	3211	55	100	33.3	49	52	4300
350 Ltrs 400 Ltrs SS - 40	3214	70	125	39.7	75	81.5	3400
600 Ltrs SS - 50	3216	80	140	44.4	86.5	98	3000
1000 Ltrs SS - 100	3217	150	150	49.2	102	118	2800

SIGMA MIXER - LAB MODEL

S. S. ENGINEERING introduces the Lab model SIGMA MIXER for trouble free long term operation for various application like mixing, kneading, grinding, dispersion, drying etc.



Sigma Mixer Standard



Sigma Mixer Standard



Sigma Mixer with Vacuum

CONSTRUCTION

SIGMA MIXER consist of "W" shaped container made of Stainless Steel 304 or 316 with jacket of Carbon Steel covering two side for heating or cooling application & dust free cover to get Vacuum if desired or normal cover. The mixing elements (Blades) are of Sigma type Steel casted and duly finished two in number which contra rotate inward fitted at close or specified clearance with the container to give thorough and uniform mixing. There is a Gland pusher of Gun Metal Bush which ensure minimal friction and extend the life of mixing elements (Blades) Shaft.

DRIVE

The Drive Consists of Motor of type TEFC Or TEFC Flameproof of Specified HP.1 440 RPM, Reduction Gear Box Of Reputed Make having suitable size and ratio, Spur Gears, are also provided of adequate size and having machine cut teeth, between the front and rear blade complete with guard suitable for grease lubrication.

STAND

The complete Mixer is Mounted on Steel Fabricated stand of suitable strength to withstand the vibration and give noise free performance.

FEATURES

SIGMA MIXER as the name suggests contains mixing element (Blades) of Sigma type two in number which contrarotates inward to achieve end to end circulation & thorough & uniform mixing at close or specified clearance with the container. The mixed product can be easily discharged by tilting the container by hand lever manually either by system of gears manually operated or motorised.

STANDARD MIXER - DESIGN FEATURES

MODEL	CAPACITY - LTRS.		MOTOR HP
	WORKING	BRIM	
SS-L01	1	2	1
SS-L05	4	5	2
SS-L10	7	10	3