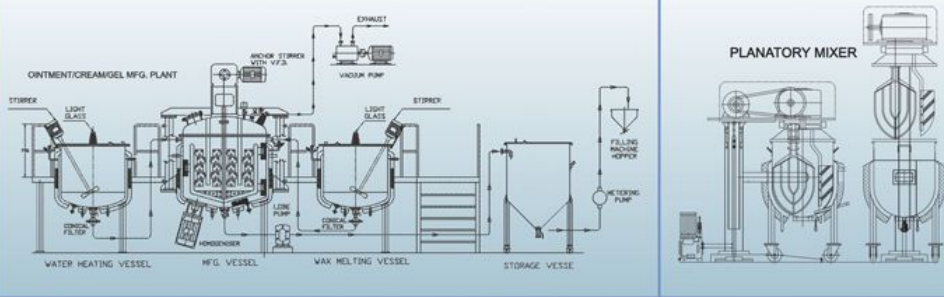


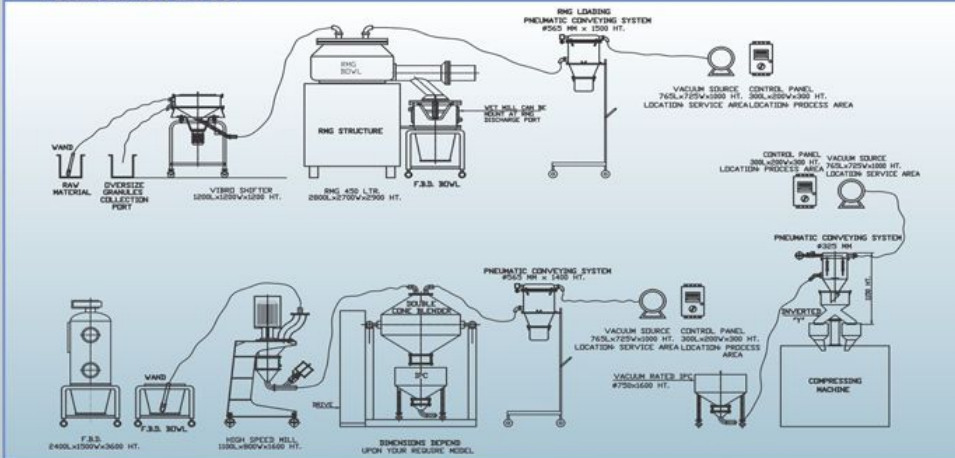


**PLANT SECTION**

**AUTOMATIC OINTMENT / CREAM MFG. PLANT / PLANETARY MIXER**



**FORMULATION LAYOUT**



**Establishment:**

The company was envisaged and incorporated by a sincere visionary who possessed foresight to establish, nurture and carry forward a commitment in engineering skills.

**Progress:**

Since the humble beginning, the company has profoundly diversified into many engineering division. Mr. Jayesh Patel (BE Mechanic), Mr. Kaushik Patel (BE Electric) & Mr. Kanu Patel (Technical) have successfully carried forward a rich legacy set forth by their elders.

**FLUID BED DRYER GMP MODEL**

Model: 5, 10, 30, 60, 120, 200, 250, 300, 400, 500.

**Special Features :**

- Single Piece design
- High engineering and design
- As per c GMP norms
- Uniform drying with low drying time noise less, vibration less
- Pneumatic bag shaking system
- PLC systems
- On line sampling
- Solid monitor flow



**MASS MIXER**

**Special Features :**

- Designed to facilitate homogeneous mixing
- Ease to clean
- Safety transparent guard provided with interlocking system.
- Tilting device is provided for ease in unloading by means of Hand wheel

**RAPID MIXER GRANULATOR**

**Special Features :**

- Short Processing Time
- Single process for mixing and granulation.
- Pneumatic operating discharge
- Two side housing for mixer blade.
- Dual speed motor for main and chopper drive with interlockin arrangement.
- All contact parts are made out of S.S 304 / 316 Spray System (optional)

**MULTI MILL**

**Special Features :**

- Reverse & forward movement of beaters by reversible switch
- Easy and quickly dismantled and cleaned.
- Designed specially for continuous operation.
- Cylindrical screen for higher yield. P.U. Castors provided for movement.



**COATING PAN / AUTO COATER**

**Special Features :**

- Coating Machine is available in 24" 30", 36", 42", 48", 60" & 72", sizes.
- Totally enclosed with SS Cladding with Standard Gear Box, Motor, Hot Air Blowing arrangement in built
- MS fabricated structure.
- Air filter is in built for inlet air.
- Control panel mounted on side of machine
- Machine is rest on AVM so foundation is not required.
- 24", 30", 36", 42" or 48" Coating Machines is available with A.C. speed drive with hot air blowing system is in built the machine. While 60" & 72" Coating Machine has two step pulley without hot air blowing system.
- Interlocked electrical circuit between heaters and blowers



**VIBRO SIFTER**

**Salient Features :**

- Reduced power consumption as compared to conventional sifter.
- Better throughput due to springs amplified vibrations.
- Vibrations are not transmitting to the floor.
- GMP model fully SS 216 / 304 is available.
- Multiple deck option available.
- Dust proof working possible (closed system.)
- Very versatile: - Pharmaceutical, herboceutical, cosmeceutical, neurtaeutical, spices, tea, coffee, chemical, paints, confectioneries, photochemical, phytochemicals, biopharmaceuticals, ceramics.
- Can be connected upstream to multimill and downstream to HSMG or IPC container, tray dryer

**TRAY DRIER GMP MODEL**

Models	MMI-TD-24	MMI-TD-48	MMI-TD-96
Heating Load			
100° C	1.5 kw X4	9 KW	15 KW
200° C	9 KW	15 KW	21 KW
300° C	12 KW	18 KW	27 KW
Blower Motor	0.5 HP		
	2 NOS BLOWER	1.0 HP	1.0 HP X 2 nos.



**PEST CATTLE**

**Salient Features :**

- Service: - Starch Paste Preparation (Binder Preparation)
- Model / Size: - 5 liters to 100 Liters.
- MOC: - Contact Parts SS316, Non Contact Internal Parts Cladded / Covered with SS304.
- All internal surfaces have smooth rounded edges Internal surfaces smooth mirror
- Polished. Easy access to internal parts for cleaning through large openings and drain ports for cleaning are provided.
- Charging: - Through open top. Special Features (Optional): - The kettle is provided with/ without-tilting arrangement with optional bottom discharge ball valve. The kettle also has provisions to be lifted by the mobile or fixed loader to charge the HSMG.

**SALIENT FEATURE OF BLENDERS :**

- Very cost effective & convenient
- 60 % working capacity
- Internal specially designed baffles optional
- Dust free working arrangements available
- Reduce product handling
- High mirror-polished finish (180 grit — 210 grit)
- PLC controls optionally available for rpm, Timer,
- Variable speeds drive system.
- Jacketing optionally available for special operations for all except Hoop & Barrel Blender
- Very versatile for blending pharmaceuticals, neurtaeuticals, Herboceuticals, Cosmetic products.



**DOUBLE CONE BLENDER**  
Double Cone Blender: models from 5 kg to 1000 kg most cost effective used for dry syrup & capsules.



**OCTAGON BLENDER**  
Octagonal Blender: 5kg to 2500kg comparatively lower power requirement 60% working capacity, with fast blending, charging & Discharging is a dust free arrangement.



**RIBBON BLENDER**  
Ribbon Blender: 5 kg to 5000kg for very low proportion mixing, addition of flavors & perfumes through spray system (optional) .



## LIQUID SECTION



## LIQUID SECTION



### ROTARY BOTTLE WASHING MACHINE

#### Salient Features :

- Works on Geneva mechanism.
- Four inner, one outer and one air wash.
- Stationery nozzles eliminate contamination of water cycles.
- Two rows for Easy loading and unloading
- Individual solenoid valves for each washing sequence, centrifugal pumps to wash bigger bottles
- The stationary nozzles avoid chipping of bottle necks.
- Bottle guide system is provided specially for light weight bottle.



### ONLINE FILLING & SEALING MACHINE

#### Salient Features

- cGMP model based on advanced technology
- Single Operator
- No contamination as immediate sealing of filled bottles and complete covered in case.
- Centralized volume adjustment system – No down time in volume settings
- No bottle- No Fill arrangement.
- Additional sensor provided on Cap Chute to avoid damage of caps during rotation
- Sensor provided for No cap in chute- Machine stops
- Individual Variable Drive to control speed of conveyor
- Electronic liquid level controller and pneumatically controlled control valve
- PLC Control in built Acrylic cabinet to avoid dust particle during operation



### FULLY AUTOMATIC DOUBLE / SINGLE STICKER LABELING MACHINES

#### Technical Specification

- Speed: 3600 to 9000 bottle per hour.
- Container size : As per requirement.
- Label size : Length : As per requirement.

#### Unique Features

- No data input/retrievals require for any label size & bottle size.
- No change parts required for label size.
- Virtually maintenance free machine.
- Stainless steel construction.
- A.C drive for speed control.
- Along with top holding mechanism.
- In built digital pulse counter.
- Batch printing/ coding machine (optional).
- Servo based system (optional).



### 24", 30", 36" and 48" DIA. TURN TABLE

S.S. Scrambler and Un-scrambler of 24", 30", 36" and 48" with Three Step Pulley drive suitable for different machines and purposes for uniform flow of containers.

#### Salient Features

All exposed parts of SS or Aluminium to avoid rusting. Reduction Gear ensures jerk free and noiseless performance and allows absolute cleanliness even inside.



### MANUAL VIAL & BOTTLE INSPECTION MACHINE MAGNIFY DOME TYPE

#### Salient Features :

- A/c frequency variable drive.
- Direct gear drive.
- Length can make as per customer requirement.
- PVC black & white board as per GMP norms.
- UHMW self lubrication guide below chain.
- SS elegantly matt finishing.
- Adjustable height of conveyor belt, to align with other machine of the line.
- Self-alignment bearing for easy maintenance.
- Rigid Vibration free Construction for trouble free performance.

### COLLOID MILL

Model	NUP
Output *	150 to 1500 Liters.
Particle size reduction *	5 to 10 Microns.
Hopper capacity	15 Liters
Main Electrical Motor	3 HP / 2850 RPM / 3 Ph.

\* Depending upon material characteristics viscosity, density & micron size.

- Unique for small volume micronization.
- Modified design of stator-rotor assembly.
- Totally leak proof design.
- Easy to dismantle for cleaning and maintenance.
- Available in plain, water jacketed & flame proof options.



### FILTER PRESS

#### SALIENT FEATURES

Components are argon arc welded & polished to mirror finish  
SS jacket can be provided for hot filtration. (Optional)  
Provides crystal clear filtration by filtering particles up to 1 micron size.  
No Scavenger arrangement is required  
No liquid between the tank & the cartridge.  
Top dome structure ensures fast & easy removal of cartridge assembly & cleaning of cake.  
Uniform filter aids & cake distribution.  
Provided with bypass system, safety valve & sample collecting device.  
No contamination of internal surface of the shell.



### HOMOGINISER / STIRRER

Speed Range in RPM	30-1440
Electric Supply	230V, 50HZ, Single Phase
Overload Protection	Automatic vut off with manual restart
Motor Protection Class	IP 44

- 1 HP to 10 HP
- Built on Fix or telescopic stand or available with Tank / Vessels.
- CGMP Design.
- Low or High RPM also available with variable speed.
- Smooth start and stop.
- High speed range & constant torque with precise control.
- Maintenance and spark free AC induction motor.



### MIXING TANK

#### Other details of the product:

- Inner and outer mirror smooth.
- For the stirrer shaft entry a lid with ¾ opening hinge and slot window is provided.
- Silicon gasket ring is also provided. Handle and legs are made out of S.S. 304 pipe
- Caster wheel with brake system.
- S.S. 316 ball valve provided for liquid out at bottom/ side of the vessel.
- The advanced build SS Liquid Mixing Tank is accurately developed by our highly knowledgeable and well-organized engineers. These finest quality SS Liquid Mixing.
- Tanks are made in comply with the national as well as international existing standards and norms. Our clients can avail from us this SS Liquid Mixing Tank at reasonable price to gain full client satisfaction.



## POWDER SECTION



## ANCLERY LIST



### AUGUR TYPE POWDER FILLING / ONLINE POWDER FILLING MACHINE

#### FEATURES:

- Compact design, fast output with weighing system.
- Digital display panel.
- Contact parts are in S.S. 304.
- Auto tare system & manual setting for weight.
- Flexible pouch holder for different size of pouch.
- Foot operated function for avoid wastage.
- Wide packing range in single compact machine.
- Continues rotation of adjustable stirrer inside the hopper de-aerates to maintain uniform bulk density of the product.

### POUCH PACKING MACHINE

FOR PACKING OF VARIOUS POWDER, GRANULES, SEASONING, TEA, TABLET ETC

#### SPECIFICATIONS

SEALING TYPE	3 Sides sealing, 4 sides sealing or center sealing (upon request)
PACKING SIZE	L:50 120 mm, or 100 240 mm (Film Length) W: 20 160 mm of 20 220 mm (Film Width) (Enlarged type can be made upon order).
PACKING RANGE	0.5 30 gm, 30 50 gm, 10 100 gm, 100 300 gm (Depending on specific gravity of packing objects),
SPEED	60 120 bags/min, 45 90 bags/min (Depending on the following rate & volume of packing objects).
PACKING MATERIAL	Heat sealable for minared mm such as : PET + PE, OPP+PE, Alum. Foil + PE, simile paper + PE, manifold paper + PE and other special heat sealable film.



## PACKING SECTION

### PACKING BELT CONVEYOR

#### Unique Features

- Fully stainless steel construction.
- Simple and compact in design.
- S.S Square Pipe Construction.
- A.C Drive for speed control.

#### Features & Specification

- For online coating of pouches / cartons
- For conveying cartons, any products
- Can be made as per your requirement

#### Application

- For visual inspection of bottle in the alternate white & black back ground to check for any particles in the liquid filled, sealed & breakage of bottle.



### Shrink Tunnel Combi Machine

#### 1. shrink tunnel machine Size: 12 X 12.

- Voltage 220V (50/60Hz)
- Power 8.5 KW
- Conveyor Speed 0 – 10 m/min.
- Window Size: 300 X 300
- Conveyor Loading 8 Kg
- Machine Size 1280 \* 760 \* 1360 mm
- Any size available as per customer requirement.

#### 2. Automatic L Type Sealer With Conveyor Size: 15 X 20.

- Voltage 220V- 240V (50/60Hz)
- Power 3.8 KW
- Max. packing Size 15" \* 20"
- Machine Weight 100 KGS



Process section, Liquid section, Plant & Machine Consulting

- SCOOP
- CUPBOARD FOR GARMENTS
- STANDERD S.O.P
- CROSS OVER BENCH
- OPERATOR CHAIR WITH DRAWER
- CUPBOARD FOR DOCUMENT
- BALANCE TABLE
- SITTING CHAIR
- TABLE CUPBOARD
- SINK TABLE

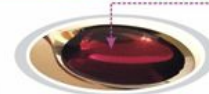
- STOOL
- BUCKET 5,10,25,100 LTR. CAPACITY
- PALLETS
- CORNER ANGLE
- LONG PALLETS
- TABLE
- MAIN SCRAP TROLLEY
- CUPBOARD
- RACK
- HAND WASH

- DUSTBIN TROLLEY
- DUSTBIN
- GARMENT TROLLEY (LIN TROLLEY)
- SIEVES TROLLEY
- CABINET
- STEP STOOL FOR MACHINE OPERATOR
- CUPBOARD
- LOCKERS
- MULTIPURPOSE TROLLEY
- TABLE

- ADJUSTABLE STOOL/CHAIR
- TABLE LOCKER
- SITTING CHAIR
- CAGE TROLLEY
- PASS BOX
- DIE & PUNCH CABINET
- APRON CABINET
- SHOE LOCKER



## OUR PRODUCTS



**LIQUID :** Auto & Semi filling, Sealing, Sticker Labeling, Washing, Turn Table, All type Tank, Auto / Semi Induction cap sealing, Colloid Mill, Filter Press, Homogenizers and etc.



**POWDER:** Auto single head auger powder filling, Double head semi auger filling, Way Metric



**GRANULATION:** FBD, RMG, Mass mixer, Multi Mill, Comminuting Mill, Coating Pan, Auto Coating, Vibro Sifter, Tray Dryer, Colloid Mill, Paste Kettle, Wet Scrubber, Ball Mill, Polishing Drum, Powder Mixer, (Ribbon Mixer), Double Cone Blender, Octagonal Blender, Lab Model, etc.



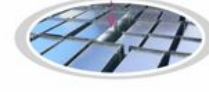
**AYURVEDIC :** Stick Making Machine (Auto), Stick Cutting Machine (Semi /Auto), End Runner Machine, Edge Runner Machine  
ALL Juicer Machine: Steam Jacketed Kettle (50 Ltd. to 1000 Ltrs.), Amla Pulp Making Machine, Oscilating Granulator.



**COSMETIC:** Planetary Mixer, Auto MFG Plant, Cream Filling / Sealing, Jar, Tube, Shrink Tunnel, Cooling Tunnel, etc.



**FOOD:** Ball Shop Wrapping Packing machine, Fray Oven, Rounder, Vibro Sifter, Extruder, All Pulp Turnkey Project etc.



**HVAC:** Double - Single skin air handling unit, VFD, Dampers, Ducting Work, Insulation, Diffuser, DX System, Filters, Panel, etc.  
Air Curtain, Flush Door, Clean Room Panel Wall & Ceiling, Single/Double Door, etc.  
Laminar Air Flow (LAF) & (R.L.A.F.),  
Dispensing booth air shower, Flooring, Coving, Filter, Housing, etc.

Process section, Liquid section, Plant & Machine Consulting