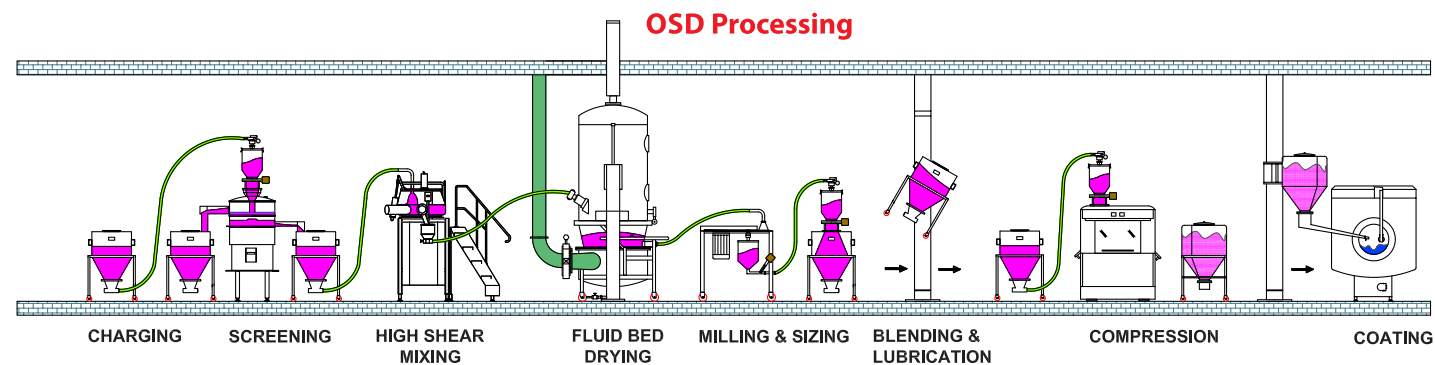




Entire range of OSD granulation and Auto coating equipment covering range of:

- R & D scale from 0.1 kg to 5 kg
- Pilot scale from 5 kg to 15 kg
- Production scale 30 kg to 500 kg

- **Rapid Mixer Granulator**
- **Vibro Sifter**
- **Fluid Bed Dryer, Processor and Coater**
- **Rotocone Vacuum Dryer**
- **Wet and Dry Mills**
- **Bin Blender, Double Cone Blender & Octagonal Blender**
- **Paste Preparation Vessel**
- **Auto Tablet Coating System**
- **Vacuum Transfer System**
- **Roll Compactor**

• **Turnkey Solutions for Ointment / Oral Liquid Preparation & Filling is also available.**

AUTO COATER

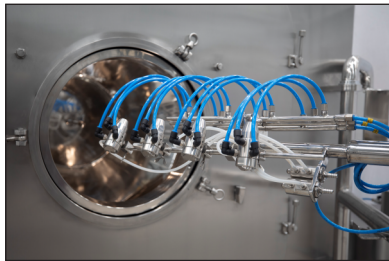
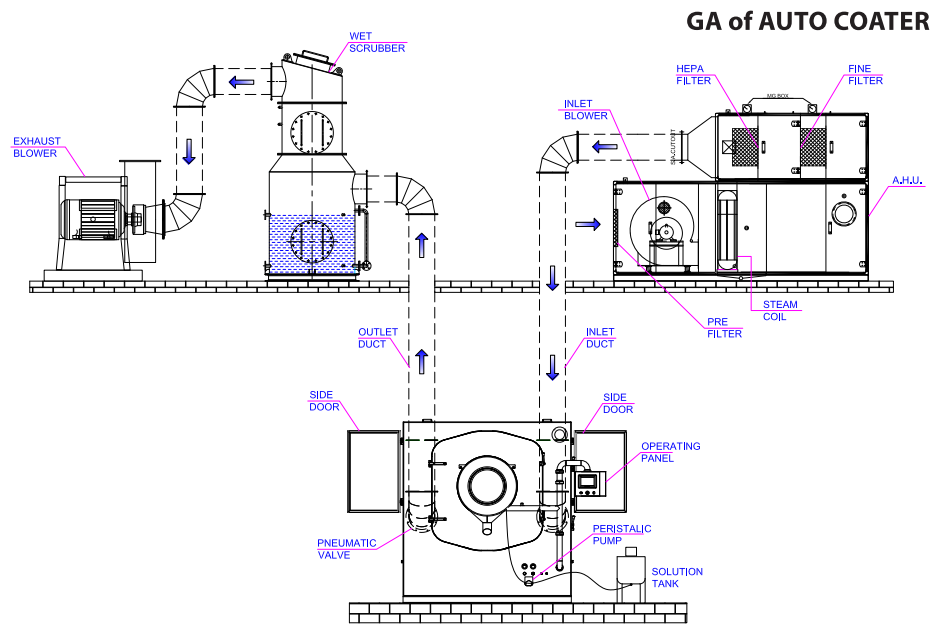


The Auto Coater is one of the most important equipment in tablet manufacturing line. It is highly efficient & safe equipment that coats the external surface of tablets of any shape and size with a very uniform and thin film of coating solution. Auto coaters are widely used in pharmaceutical industry for aqueous and non-aqueous film coating, enteric coating & sugar coating.

Coating is done in a perforated pan by controlled atomized spray of coating solution over the bed of tablets under uniform flow of processed hot air. As the tablets are continuously getting tumbled due to baffles inside the pan, atomized spray of coating solution creates uniform layer over each tablet. Hot air helps in quick evaporation of the sprayed solution during coating process.

Whole systems of Auto Coater consists of :

- Main body with perforated coating pan
- Inlet Air Handling Unit
- Exhaust blower
- Atomized spraying system with peristaltic pump and solution tank
- PLC based operating panel and control panel
- Wet / Dry scrubber (If ordered)



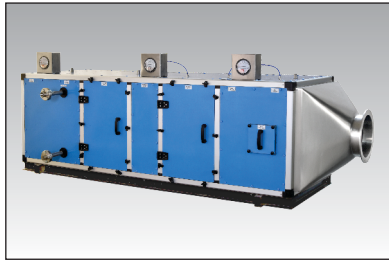
Spray Guns



Pneumatic Dampers



Tablet Discharge



AHU



CIP Manifold



Scrubber

Salient Features:

- In compliance with cGMP guidelines
- Modular design makes it user friendly
- All contact parts are made of SS 316
- Accurate temperature control within $\pm 2^{\circ}\text{C}$
- Variable speed of perforated pan allows process flexibility
- Variable speed of inlet and exhaust air flow for maintaining adequate negative pressure of hot air in tablet bed
- Inbuilt WIP (Wash in Place) system
- Easy to clean and maintain with less changeover time
- Quick release plenums for easy cleaning of pan and plenum
- Highly efficient spray guns mounted on flexible arm provides easy setting of spraying angle
- Very accurate solution dosing with peristaltic pump
- Leak proof sealing of doors ensures efficient operation without any energy loss
- Fully automatic operation through PLC with color HMI
- Double skin inlet air handling unit with HEPA filter and DP gauges

Optional Features:

- Sugar coating system
- Interchangeable pans
- Flame proof (FLP) Blower Motor
- Wet / Dry scrubber at exhaust
- Chiling Coil in AHU
- RH sensor
- Air velocity sensor
- Compliance as per 21CFR PART11

Technical Specifications:

MODEL	AC-24	AC-30	AC-36	AC-48	AC-60
Brim Volume (Ltrs.)	35	63	100	170	338
Working Capacity (Ltrs.)	28	50	80	135	270
Working Capacity (Kg)	28	50	80	135	270
Pan Diameter (mm)	600	750	915	1220	1525
Pan Mouth Diameter (mm)	300	300	300	480	600
Pan Motor HP	2	2	2	5	5
Inlet Blower HP	2	3	3	5	10
Exhaust Blower HP	3	5	5	10	25
Inlet Blower (CFM)	450	1200	1300	2700	5000
Exhaust Blower (CFM)	500	1400	1700	3000	6000
Electric Heater (kW)	22	30	36	NA	NA
Comp. Air (CFM @ 6 Bar)	20	30	35	45	65
Steam Consumption (Kg/Hr.)	70	75	95	125	198

Note: Standard ducting inlet - 3 mtr. & 1 bend, standard ducting outlet - 3 mtr. & 2 bends, motor HP will change if equipped with HEPA or Scrubber & ducting length above 3 mtr. Any kind of ducting & elbows will be in customer's scope.