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**Optional Feature : Which will be provide at extra cost, if required**

- Pan made out of SS316 or SS316 L material instead of SS304 material.
- Dew Point Sensor at inlet air duct, instead of Rh sensor.
- Velocity Trans-meter at inlet & exhaust air duct.
- Differential pressure Trans-meter at AHU & Process Chamber, instead of Differential pressure gauge.
- Jacketed Vessel instead of non jacketed. (for Solution Preparation.)
- Flameproof Model Vessel for Solution Preparation.
- Flameproof Motor for inlet air & Exhaust air blower.
- Wet Scrubber at exhaust air.
- Steam & Chilled Water Controlling Valve.
- Peristaltic Pump of Master Flex-USA make instead of Indian make.
- Spray nozzle of "Spraying System – U.S.A." make instead of Indian make.
- Flow Meter at Solution Spray System. ( Emersion make ( USA ) – Coriolis Type. )
- Atomizing Air Pressure Regulator & Fan Width Pressure Regulator operating through Operating Touch Screen.
- Flameproof / Weatherproof Enclosure for Touch Screen.
- Additional Duct per 1 Meter – Non insulated / Insulated. ( for Inlet air line & Exhaust air line).
- Tablet discharge spout.
- Additional Pan.
- Pan unloading trolley.



**Technical Specification**

Description	SIZE : 12"	SIZE : 24"	SIZE : 36"	SIZE : 48"	SIZE : 60"
L	1200 mm	1200 mm	1730 mm	1975 mm	2650 mm
L1	1500 mm	1500 mm	2030 mm	2275 mm	2950 mm
H	1500 mm	1535 mm	1940 mm	2120 mm	2650 mm
H1	1850 mm	1885 mm	2290 mm	2470 mm	3000 mm
W	840 mm	955 mm	1480 mm	1600 mm	2100 mm
W1	2180 mm	2585 mm	3780 mm	4380 mm	5400 mm
Pan Motor HP.	0.5 HP.	1 HP.	2 HP.	3 HP.	7.5 HP.
Inlet Blower Motor HP.	0.5 HP.	1.5 HP.	3 HP.	5 HP.	7.5 HP.
Exhaust Blower Motor HP.	1 HP.	2 HP.	5 HP.	7.5 HP.	15 HP.
Peristaltic Pump Motor HP.	0.5 HP.	0.5 HP.	0.5 HP.	0.5 HP.	0.5 HP.
Heater K.W. /	12 K.W.	12 K.W.	36 K.W.	60 K.W.	Not. App.
Steam Kg./Hrs.			75 Kg./hrs	150 Kg./hrs	250 Kg./hrs
Pan RPM	5 To 25	5 To 25	5 To 15	5 To 15	5 To 15
Inlet Air CFM	100 CFM	250 CFM	1200 CFM	2500 CFM	5500 CFM
Exhaust Air CFM	150 CFM	450 CFM	1400 CFM	3000 CFM	6000 CFM
Nos. of Nozzle	1 No.	1 No.	2 Nos.	3 Nos.	4 Nos.
Solution Preparation Tank	15 Ltrs.	25 Ltrs.	50 Ltrs.	100 Ltrs.	150 Ltrs.
Air At 5 Kg./ Cm2 CFM	20 CFM	25 CFM	35 CFM	45 CFM	60 CFM



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# Tablet Coating Systems



48" Model ▶

Model Available : 12", 18", 24", 36", 48", 60"



**CHITRA Machineries Pvt. Ltd.**

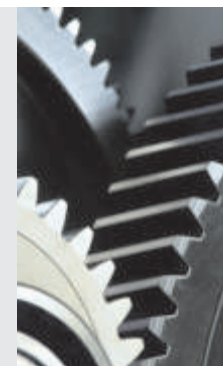
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**CHITRA Machineries Pvt. Ltd.**

Mfrs. & Exporter of Pharmaceutical & Allied Machineries

## Tablet Coating Systems

Model Available  
12", 18", 24", 36", 48", 60"



24" Model ▶



Pan Opening ▶

### Description of System

In the process of automatic coating of tablets the Tablet Coating needs to be supplemented by a correctly designed, versatile coating system.

CHITRA'S Tablet Coating System have been designed after a careful study of the needs of expert coaters such as Rotational Speed, Efficient AHU system, inlet & exhaust air cfm & efficient solution spraying system etc.. etc...

CHITRA'S Tablet Coating System have very heavy & sturdy structure, made from SS304 pipes & sheets. Complete structure covered from outside. Processing Chamber designed with sealed from all side, in which negative pressure can be achieve. Chamber with 02 nos. of covers with hinges provided on two sides ( left & right ) of the structure to clean and remove / replace the pan.

Perforated pan with drive and mounting facility in the chamber.

Chamber with facility of wash water drain port with ball valve.

Motor with worm reduction gear unit and a bearing housing with shaft for pan drive. Variable Frequency drive for variable speed of pan.

Inlet air & exhaust air duct with b/f valve and pneumatic actuator, inside the chamber.

A FLP lamp at top of the chamber.

Spray nozzle mounting facility at chamber.

Perforated pan made from SS304 / SS316 or SS316 L ( as per customer need ) quality material and polish to the mirror finish from inside & outside.

Baffles will be provide inside the pan.

APU ( AHU ) with pre filters, inlet air blower, cooling coil, phase & by pass system, heating coil OR heaters, micro v filter & hepa filter with temperature sensor and Rh Sensor (OR Dew point sensor-Optional).

Exhaust air blower.

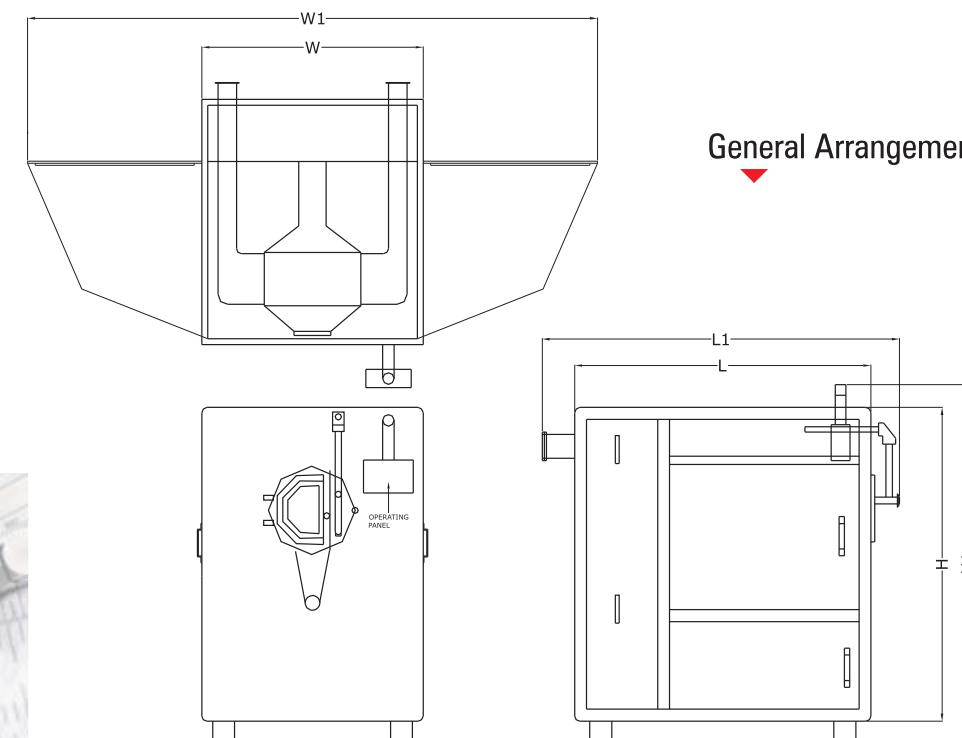
Inlet air and outlet air duct. (Non insulated)

Solution Preparation Vessel with spraying system.



### Special Features : Which are included in basic cost of the m/c.

- Pan fabricated from 2.5 mm thick, SS Sheet of SS 304 quality with 3.0 mm perforation at 4.5 mm triangle pitch for adequate opening area for better performance.
- 12", 18" & 24" model are on castor wheel for mobility & 36", 48" & 60" model with Anti vibrating unit provided for proper leveling, hence no requirement of foundation.
- Double wall PUF insulated APU ( AHU ) with Aluminum framing, inside aluminum or G.I. sheeting from air inlet to the Hepa filter and SS sheeting from Hepa filter to onwards, outside powder coated galvanized sheeting, with Pre filters & Micro V filters in G.I. or Aluminum box, , Air Inlet Blower, Hepa filter in SS Box, Cooling Coil in Copper Tube & Aluminum Fins, Phase & By pass damper & heating coil made out of SS tube & aluminum fins or electrical heaters.
- Rh Sensor at air inlet line.
- Differential Pressure Gauge at Hepa Filter.
- Differential Pressure Gauge at Process Chamber.
- Inlet & Exhaust air temperature Sensor.
- Variable Frequency Drive for ( AC Drive ) Pan Drive Motor, Inlet & Exhaust Air Blower.
- Pan RPM Indication facility.
- FLP Lamp.
- Port with Spray Ball for CIP.
- Inlet Air Blower.
- Exhaust Air Blower.
- Solution Preparation Vessel with Stirrer (Plain – Non Jacketed – Non FLP Model).
- Drive Motor flameproof.
- Spraying Nozzle. (Indian make)
- Peristaltic Pump. (Indian make).
- Manually operated Atomizing Air Pressure Regulator & Fan Width Pressure Regulator.
- Butterfly Valve at Inlet & Exhaust air duct with Actuator. ( Pneumatics of Janatics or Aira make ).
- PLC based power panel with Touch Screen based operating panel.
- Inlet air & Exhaust air duct. ( 3 meter each - Non insulated)



General Arrangement Drawing

