

APCG-C

Anish Particle Coater Granulator- Combo

Bottom Spray model with combination of top spray as an additional feature

Equipment intended to be used for following purpose:

- Bottom spray option for pellet & particle coating
- Top spray option for Granulation purpose
- Drying with Granulation container

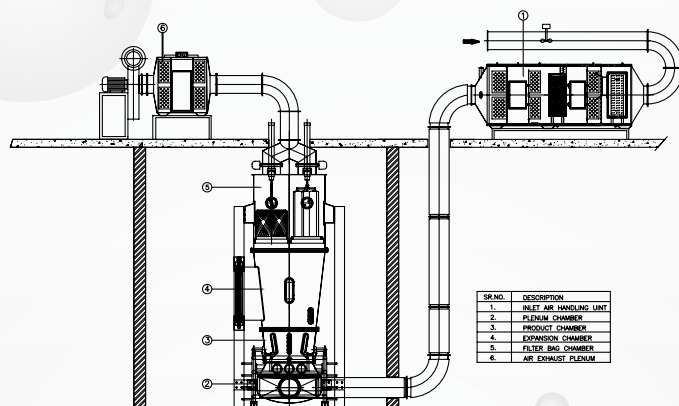
Salient Features:

- 2 bar/12 bar pressure shock resistant construction
- Auto bag shaking with telescopic cylinder/winch mechanism.
- Safety interlocks for operational ease.
- Spray nozzle advancement – higher spray rates can be achieved
- Less material handling – single pot technology
- Product consistency with defined operating parameter for desire batch
- Inlet & product bed temperature control $\pm 2^{\circ}\text{C}$
- CFM control: $\pm 50-70$
- Uniform distribution of binder/coating solution
- SCADA with 21 CFR part-11 compliance
- Customized BMR/ print parameter format as per requirement
- SHE policies compliant
- FLP/Atex-proof instrumentation & compliance available
- Being Combo with Twin partition – Pellet / Particle coating is also possible with max efficiency.
- Face & bypass flaps with pneumatic actuator with positioner control for optimum temperature changeover
- Steam base humidification
- Chilled water base or desiccant type dehumidification



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Process Advantages of APCG Combo series

- Air velocity varies throughout expansion zone due to conical shape of the expansion zone with better retarding velocities
- Uniform fountain motion
- Gentle material travel
- Better coating and drying efficiency
- Less Fine Generation
- Higher spray rates can be achieved due to higher drying rates
- Fine powder coating without agglomeration
- Better yields with higher assay
- Coating of MUPS & Pellets less than 300 μ is highly recommended in conical series
- Suitable for Aqueous & Solvent base formulations
- Consistent batch results

Models:

	R&D Model			Pilot Model			Commercial Model			
	APCG Mini C	APCG 150 C	APCG 175 C	APCG 225 C	APCG 300 C	APCG 450 C	APCG 600 C	APCG 800 C	APCG 1200 C	APCG 1400 C
Bottom Spray - container volume (in litre)	1	3	5.4	15	40	110	250	500	900	1100
Top Spray - container volume (in litre)	1	5	7	18	47	130	285	640	1080	1300

All models are available in 2 bar as well as 12 bar pressure shock resistant construction.



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APCG-300C

Anish Particle Coater Granulator
-300 Combo



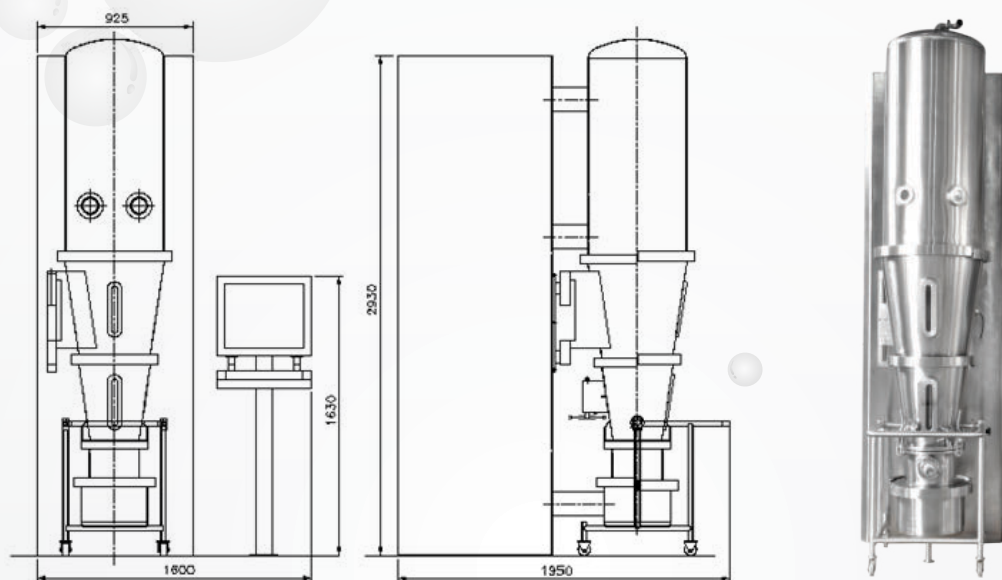
IDEAL for Pilot Scale to Scale Ups
and a Perfect solution between R&D
& Scale ups with OPTIMUM FLEXI

Salient Features:

1. Ease of Operation
2. Batch Volume -2 Kg to 24 Kg
3. APCG - Wurster - Pellet Coating / Particle Coating
4. Granulation Insert
5. Drying Operation with Granulation Insert
6. HVLP - Nozzles available
7. Completely Pre-Installed & Tested Module
8. Operating Control - Touch screen Monitor
Dust Proof /Atex Proof
9. UTMOST CARE for EHS - Environment / Health /
Safety
10. Best Suitable for Total Containment Applications
11. Hassle Free Cleaning
12. Inbuilt utilities
13. Explosion vents • vertical horizontal

APCG-300C

Anish Particle Coater Granulator
-300 Combo



Volume of product chamber (In Litre)	40
Bottom Spray - Pellet/ Particle Coating (Capacity In Litre)	40
Top Spray - Granulation (Capacity In Litre)	47
Electrical Power for blower (in HP)	15
InletAir volume in CFM	800
Air Heater electrical in kW	12
Compressed Air for coating in CFM	9 at 2 to 4 bar pressure
Machine Dimensions in Metres	1.6W x 1.95D x 3H
Machine weight in Kg.	1500 kg.



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APCG-175C

Anish Particle Coater Granulator-175 Combo



R&D scale module
ideal for R&D scale batches

Model Variant:

1. Table Top
2. Composite model

Options available with variant

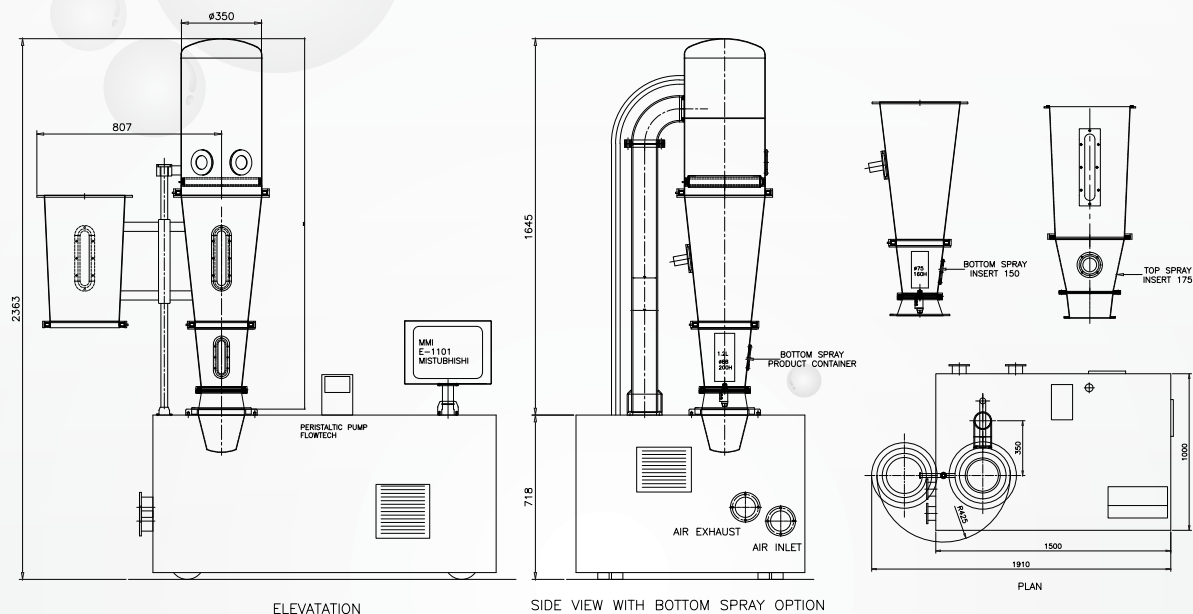
- a) Bottom spray for Pellet/Particle/Powder coating
- b) Top spray with drying for Granulation
- c) Tangential spray with Rotor inserts for powder drug layering application

Salient Features: -

- Ease of handling & operating
- Batch volume -300 gm to 3 Kg.
- Reduced capacity bowl/container available
- Separate AHU with air balancing can be provided with both humidification as well as dehumidification options
- Standard spray nozzle for bottom as well as top spray application.
- Completely pre-installed & tested module.
- Best suitable for total containment applications.
- Hassle free cleaning.
- Advanced automation Remote monitor + SCADA base operation with regulatory compliance (21 CFR part 11 & zone 2 compliance)

APCG-175C

Anish Particle Coater Granulator-175 Combo



APCG-175 COMBO - Technical Details

Bottom Spray – Pellet / Particle Coating in Lit	5.4
Top Spray-Granulation in Lit	7
Tangential Spray Powder drug layering in Lit	3
Additional Bottom spray Bowl (APCG 150) in Lit	3.5
Additional Top spray Bowl (ATSG 150) in Lit	3
Electrical Power for Blower in HP	3 HP/7.5
Inlet Air volume in CFM	230/300
Air Heater electrical in KW	3.7



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