



**UMANG**<sup>®</sup>  
*encapsulation solutions*

# LABORATORY & PRODUCTION MACHINERY

# Fluid Bed Multi Processor



Umang's Fluid Bed Multiprocessor is an Ideal Stand alone multipurpose model for different applications like Drying, Granulation & Coating with Different Options in single Unit Top Spray & Bottom Spray.



Fluid Bed Processors are versatile and indispensable tools in industries requiring efficient and controlled processing of powders and granules. Their ability to perform drying, granulation, coating, and pelletization processes with precision and efficiency makes them essential for achieving high product quality, consistency, and productivity in pharmaceutical, chemical, food, and cosmetic manufacturing.





## Special Features

- Single Machine with Multiple Processing Inserts.
- Standalone Compact & Modular Design complying cGMP Standards.
- Unique Distribution plate with Air Barrier for uniform coating.
- Rotor Stator Gap allows efficient process air volume to apply lifting force of granules.
- Stainless steel 316 L construction contact parts rest Stainless steel 304.

## Advantage

- Range of application – Drying, Granulation, Coating.
- Fluidized state ensures uniform contact between particles and fluidizing medium → consistent granules with controlled release and Enteric coating.
- Excellent solubility, dust-free, free-flowing, porous structure, lower fine generation
- PLC controls air flow, temp, spray rate. Temp/humidity sensors, pneumatic damper 0–100%

## Optional Features

- Stainless steel 316 L construction contact parts.
- Various nozzle sizes.
- UL certification, CE Components.
- 21 CFR Part II
- FLP Motor

Model	UMLC	UFBM 1	UFBM 3	UFBM 5	UFBM 15	UFBM 30	UFBM 120	UABM 300	UABM 750
Capacity (per hr)	750 gm	1 kg	1.5 kg	2 Kg	6 Kg	12 Kg	60 Kg	120 Kg	300 Kg

# Our Global Reach



**Umang Global Group Pvt. Ltd.**  
(Engineering)

**Umang Encapsulation Solutions Pvt. Ltd.**  
(Pharma, Nutraceuticals & Food)

**Umang Particle Science Pvt. Ltd.**  
(Personal Care)

**Lab Ultima Process Technologies Pvt. Ltd.**  
(Spray Drying)



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