



UMANG[®]
encapsulation solutions

LABORATORY & PRODUCTION MACHINERY

Basket Extruder



Basket type design Ideal for Low Shear Extrusion with high production capability. Mostly used in agro chemical industries due to its consistent wet mass compression into an extrudable paste and eliminate dusting.



Basket Extruders have many applications, in particular the manufacture of drug pellets and water dispersible granules. Extrusion take place centrifugally, and the mesh is of basket type in vertical position, The material is wiped through perforated screens by extrusion blades to produce well-formed cylindrical extrudates of a controlled diameter.



Extrudates then fall onto a rotating table for discharge to the next processing step or slide down as per picture shown.





Special Features

- Modular, Compact, Cost efficient & GMP design.
- Continuous operation.
- Gentle product treatment results in low product temperature.
- VFD Driven motor for variable speed of extruder.
- Various mesh configuration with different perforation / area / thickness for product suitability.
- Complete process Automation with PLC controls & HMI.
- Larger & Efficient production.

Advantage

- Zero black particle generation.
- Built in Electrical controls.
- Proven design for effective operation.
- Pressing Roll with simple Radial construction.
- Low pressure extrusion for heat sensitive products.
- Ease of cleaning, and access to process components
- Mass production

Optional Features

- Stainless steel 316 L construction contact parts.
- Different mesh sizes
- Auto discharge turn table
- UL & CE Certification

Model	UBRE-75	UBRE-150	UBRE-300	UBRE-450	UBRE-600
Capacity / hr1	Upto 10 kg	Upto 100 kg	Upto 300 kg	Upto 500 kg	Upto 800 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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