



UMANG[®]
encapsulation solutions

LABORATORY & PRODUCTION MACHINERY

Single Screw Extruders

Single Screw Plug & Play Extruders are Designed to suit Simplicity & Flexibility in optimizing the process in Application Labs. This innovative technology is available in four Variables i.e. Cone, Axial, Dome & Radial attachment to suit different pharmaceutical applications for R&D.

Special Features

- ❖ Compact Plug & Play design acquires limited amount of table space and GMP Suites for production of 250 gms - 6 Kg.
- ❖ Hassle free Dismantling, Cleaning & Assembling.
- ❖ Interchangeable extruder attachments - Cone, Axial, Dome & Radial, allows evaluation of four types of different pressure extrusion techniques.
- ❖ VFD Driven Motor for variable speed of rollers.
- ❖ Complete process Automation with PLC controls & HMI.
- ❖ Jacketed Extrusion Chamber to provide continuous cooling during process.

Advantage

- ❖ Easily convertible into Cone, Axial & Radial Extruder
- ❖ Variable speed of extruder (10-100 rpm).
- ❖ Easy Cleaning & Maintenance Switch from one product to another with minimal downtime, reducing the costs of labor and tooling replacements.
- ❖ Low fine generation so efficient product processing for nearly 98% product recovery.
- ❖ Cooling & heating provision through Jacketing of Extrusion Chamber.

Optional Features

- ❖ Stainless steel 316 L construction contact parts rest Stainless steel 304.
- ❖ 21 CFR Part II compliance
- ❖ Interchangeable extruder attachments for Cone, Axial, Dome & Radial mesh.
- ❖ Meshes 0.3, 0.4, 0.5, 0.6, 0.8, 1.0, 1.2, 1.5, 2.0 mm
- ❖ CE Approved Components
- ❖ DQ, IQ, OQ Documents.



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)



For Enquiry Contact Us On.
[+91-9518348129](tel:+91-9518348129) / info@umangglobal.com



UMANG GLOBAL GROUP PVT. LTD.

Head Office Address:

Unit 1, Unit 2, 2nd Floor, Vicino (Mega Mall), New Link Road,
Oshiwara, Andheri (West), Mumbai, Maharashtra 400102.

Contact us on:

 [+91-95183 49129](tel:+91-9518349129)

 info@umangglobal.com

 www.umangengineering.com