



UMANG[®]
encapsulation solutions

LABORATORY & PRODUCTION MACHINERY

Cold Extrusion Machine



The Cold Extrusion Machine is specially designed for producing veterinary tablets by operating at lower temperatures to handle delicate materials used in pet food. It features customized larger dies for precise shaping and automatic sensors that cut the extruded material at regular intervals, ensuring uniform size and quality for each tablet. This advanced technology is ideal for achieving the specific requirements needed in pet food production.



Uses a plug-flow (first-in, first-out) screw feed system with concentric counter-rotating screws that continuously press material through a die. Material exits through custom dies, then is cut or formed to a uniform size. Integrated systems like mixers, binders, chillers, and cutters are part of the process flow.



Designed for high-quality, low-temperature production (especially pet food tablets). Built with automation, hygiene, and efficiency in mind. Scalable and modifiable through screens, controls, and optional systems. Part of a manufacturing domain where cold extrusion offers strong material control and productivity advantages.





Special Features

- Low-Temperature Extrusion System
- Twin Concentric Counter-Rotating Screw Mechanism
- Interchangeable Customized Die Assembly
- Integrated Automated Cutting Mechanism
- Uniform Feed Control for Challenging / Sticky Formulations

Advantage

- Suitable for Heat-Sensitive Formulations
- Uniform Product Quality
- Minimal Product Hold-Up
- Enhanced Process Flexibility
- Improved Operational Efficiency

Optional Features

- Stainless steel 316 L construction contact parts.
- 21 CFR part II.
- Various mesh size milling merge.
- UL certification, CE Components
- Flame Proof Motors.

Model	URCP - 30	URCP - 200
Capacity / Batch	Upto 30 Kg	Upto 150 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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