

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

# LABORATORY & PRODUCTION MACHINERY

# Roll Compactor



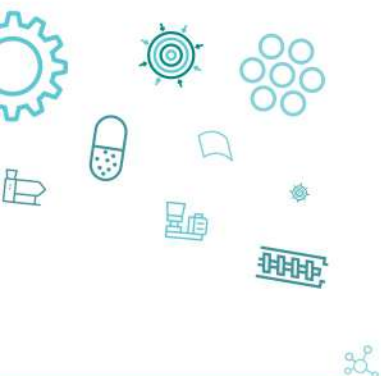
Roll Compaction is a dry granulation process used to force fine powders between two counter rotating rolls and presses the raw materials into a solid compact (flakes, sheets, strips) granules prior to final compression.



The process is used if the ingredients to be granulated are sensitive to moisture or heat. Typical excipients used in Roller compaction are lactose, Micro-crystalline Cellulose & Magnesium Stearate etc. as the lubricant.



Umang's Roll Compactor machine is ideal for increased bulk density, making granules, dust free processing and reducing packing size of pharmaceutical ingredients in pharmaceutical industry, in food as well as chemical industry for densification and granulation of powder.





## Special Features

- Maximum pressure gives Desired Grain Size
- Low fine Generation
- Hydraulically operated Uniform force distribution system to produce granules of equal quality.
- Power pack motors with 1 HP capacity
- Roller diameter 100mm, variable speed (20 - 150 rpm).
- Cleaning & maintenance made easy with Hydraulically operated Feeder assembly.
- Specially designed Screw Operated Powder feeder.

## Advantage

- In compliance with cGMP guidelines
- All covers are designed to obtain dust-free operation
- Feed screw is steplessly driven through variable frequency drive.
- Hydraulic Power Pack system
- Limit switch for chamber, Slip clutch at drive of auger, Overload relay & Emergency stop.
- The hopper and auger/ feeder assembly is lifted by hydraulics for easy cleaning & dismantling.
- Gravity feed to funnel & pressed into compacting roller by pressing screw.

## 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



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



**UMANG GLOBAL GROUP PVT. LTD.**

**Head Office Address:**

Unit 1, Unit 2, 2<sup>nd</sup> 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](mailto:info@umangglobal.com)

 [www.umangengineering.com](http://www.umangengineering.com)