

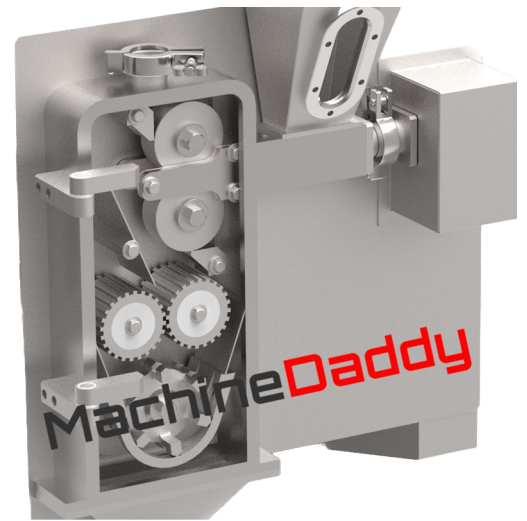
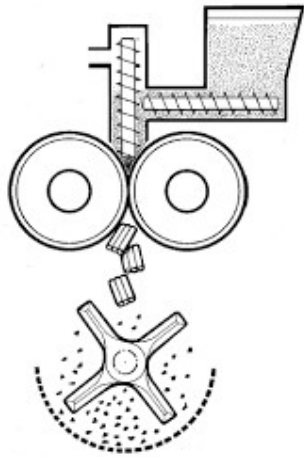
Roller Compactor

Compacting, Milling

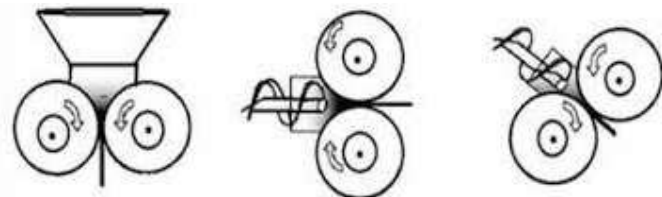


5kg to 500kg

Roller compactor is used to compress the fine powders into denser sheets using mechanical pressure. The basic concept of compaction is to force the powder between two counter rotation rolls. As the volume decreases through the region of maximum pressure, the material is compress into dense sticks or corrugated sheets.



Compaction Methods:



Orientations of Rolls (1) Vertical, (2) Horizontal, (3) Inclined

A: Filling hopper, B: Screw feeder, C: Rolls, D: Flake crusher, E: Granulator

Features:

- All Contact parts are made of SS 316L except rollers.
- All covers are designed to obtain dust-free operation.
- Feed screw is step less driven through VFD.
- Compacting rolls made of tools steel with hard chrome plating & mirror finishing.
- Pre-compaction chamber with de aeration guides the product to rolls
- Provision of interlocking between main roll drive and feed screw drive.
- Water jacketing arrangement for roller cooling facility.
- Hydraulic Power Pack system to applied desired pressure on rollers.
- AC Variable speed Drive for rollers.
- Online oscillating/Continuous granulator.
- PLC & HMI based controls.
- WIP System for efficient cleaning of all contact parts after every batch process.
- In compliance with cGMP.
- 21 CFR Part 11 Compliance with process data records and multi-level password.
- **We can supply custom made as per customer requirement for orientation of rolls**