

Roller Compactor



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

Salient features:

- Modular Design.
- All Contact parts are made of S.S. 316 except rollers.
- All covers are designed to obtain dust-free operation.
- Feed screw is steplessly driven through VFD.
- Compacting rolls made of tools steel with hard chrome plating & mirror finishing.
- Pre-compaction chamber guides the product to rolls without any trouble.
- Provision of interlocking between main roll drive and feed screw drive.
- Water Jacketing arrangement (optional).
- Hydraulic Power Pack system (optional).
- AC Variable speed Drive for rollers (optional).
- PLC Controller (optional).
- In compliance with cGMP.

MODEL	LPTRC 200/50	LPTRC 200/75	LPTRC 200/100	LPTRC 200/150
Max. Output* (Kg/Hr)	20 to 60	30 to 100	100 to 250	100 to 350
Roll Speed (R.P.M)	6 to 25	6 to 25	6 to 22	6 to 22
Feed Screw Speed (R.P.M)	10 to 60	10 to 60	16 to 50	16 to 50
Roll Drive Motor (3Ø, A.C)	5 HP	5 HP	7.5 HP	10 HP
Feed Screw Drive Motor (3Ø, A.C)	2 HP	2 HP	3 HP	3 HP

* Output depends on the physical & chemical properties of the material to be compacted, the type of the rolls & their speeds etc.

