

TFC-220



Your Global Equipment and Processing Solution

Pilot Scale Roll Compactor System

For Dry Granulation Processes

Maximum Processing Flexibility

Wide Production Capacity: 20g to 20kg/hr

No Inserts Required for Processing Range

Optional Mill Integrated on Front of Unit

Engineered Scalability

Constant Compaction Force within Roll Gap

Roll and Screw Design Scalable

to Production TFC Models

Unique Compaction Seal Design

Contained Compaction Zone

for Reducing the Amount of Fines

Inline De-Aeration Design

Vertical Hopper and Screw De-Aerates

Product Prior to Compaction

Color Touchscreen Control System

Roll Gap Measurement Display

Amp and Watt Displays for Roll and Screw

Validatable Process Control:

Compaction Force

Roll and Screw Speeds

Quick Changeover Design

Cantilevered Rolls for Easy Cleaning

Portable Self-Contained System

Electrical and Compressed Air Connections



Shown with Optional Mill

The TFC-220 is a self-contained and easy-to-operate roll compactor system built for dry granulation processes. Designed for flexible development, the TFC-220 has a capacity of 20g to 20kg/hr making it ideal for both feasibility trials and scale-up processes. No additional inserts are required at either end of the processing spectrum. With the vertical hopper and screw design, product is de-aerated prior to the compaction zone providing improved processing results. The engineered seals around the compaction zone greatly reduce unwanted fines. Designed for scaling up into production TFC systems, the TFC-220 is an ideal solution for any type of dry granulation process.

VECTOR CORPORATION

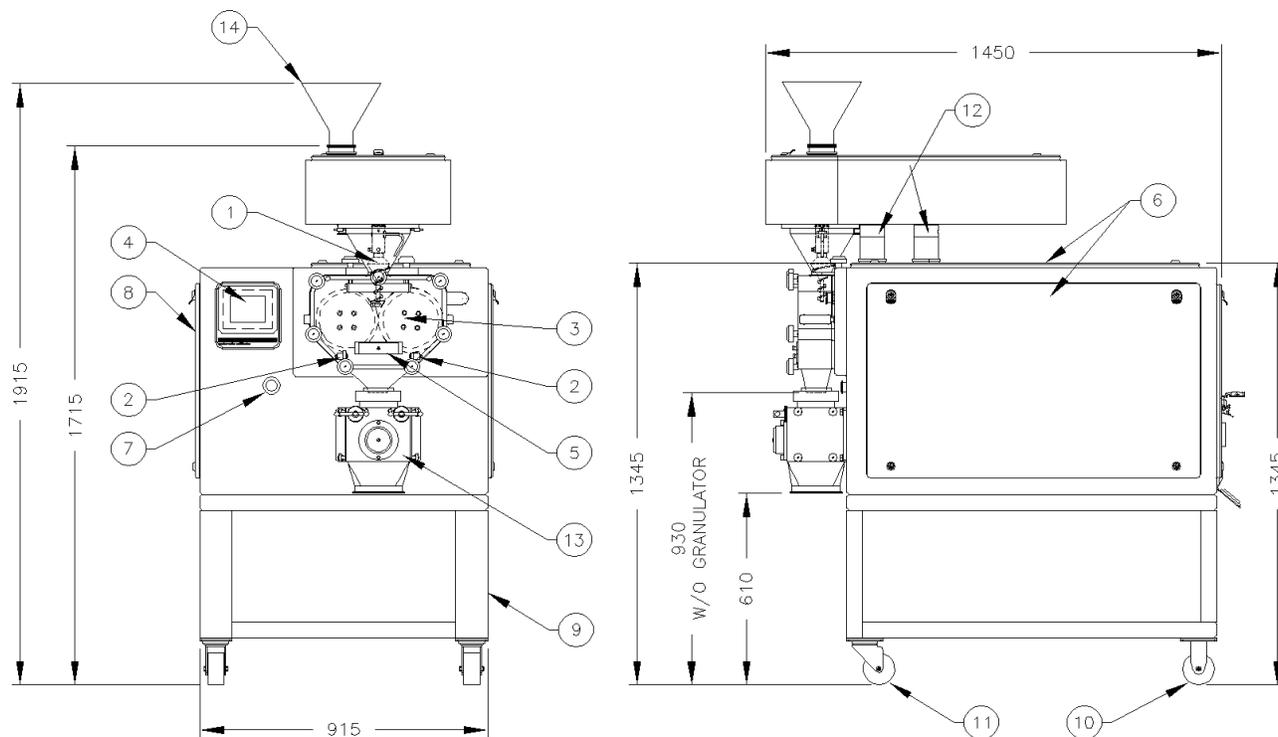
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TFC-220



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| <ul style="list-style-type: none"> 1. Screw Feeder 2. Roll Scraper 3. Rolls 4. Color Touchscreen Operator Interface 5. Product Sample Tray 6. Access Covers 7. Emergency Stop | <ul style="list-style-type: none"> 8. Control Cabinet 9. Support Base 10. Fixed Casters (Qty. 2) 11. Swivel Casters (Qty. 2) 12. Lift Cylinder 13. Optional Mill 14. Product Feed Hopper (Removable) |
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NOTES:

- 1. Dimensions are shown in millimeters.
- 2. Dimensions shown are design dimensions and are subject to change due to manufacturer's tolerances.

TECHNICAL SPECIFICATIONS

Capacity Range: 20g – 20kg/hr	Compressed Air Supply: 60L/Min @ 6 Bar
Roll Speed: 1 – 17 RPM	Electrical Supply : 230 VAC, 60 Hz, 3 Phase
Maximum Roll Force: 52.5 kN	400 VAC, 50 Hz, 3 Phase
Roll Dimensions: 20mm x 200mm	Weight: 730 kg (Approx.)
Screw Speed: 4-83 RPM	Design Standards: CE, UL, NFPA, CSA
Hopper Volume: 3 Liters	

Providing equipment and processing solutions around the world since 1972, Vector is a subsidiary of Freund Corporation located in Tokyo, Japan. Globally, the Freund/Vector team has thousands of system installations in the pharmaceutical, healthcare, chemical, agricultural, and food industries.