

Production Roll Compactor Systems

For Dry Granulation Processes

Maximum Processing Flexibility

Wide Production Capacity: up to 600 kg/hr
Optional Knife Mill Integrated on Front of Unit

Engineered Scalability

Constant Compaction Force within Roll Gap
Roll and Screw Design Scalable
from Developmental and Pilot 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
Optional Vacuum De-Aeration Available

Quick Changeover Design

Cantilevered Rolls for Easy Cleaning

Validatable, Easy-To-Use Control System

Roll Gap Measurement Display
Amp and Watt Displays for Roll and Screw
Automated Process Control:
Hydraulic Roll Pressure
Roll and Screw Speeds

Optional Recirculation and Vacuum Charging System

Granule Classification and Recycling to Increase Production Yields



The TFC Production Roll Compactor is an easy-to-operate roll compactor system designed for dry granulation processes. Built for continuous operation, the TFC can process at a maximum throughput of 600 kg/hr. With a unique vertical hopper and screw design, product is de-aerated prior to the compaction zone providing improved processing results. The compaction area is fully contained greatly reducing unwanted fines. The TFC can be supplied with an optional recirculation and vacuum charging system designed to increase production yields. Designed to be easily cleaned and maintained, the TFC Production Roll Compactor family is an ideal solution for any type dry granulation process.

VECTOR CORPORATION

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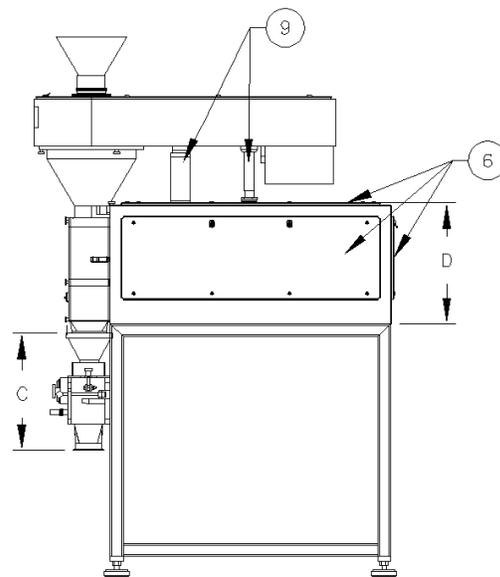
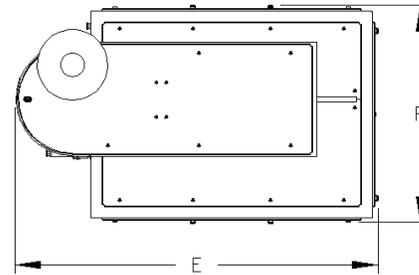
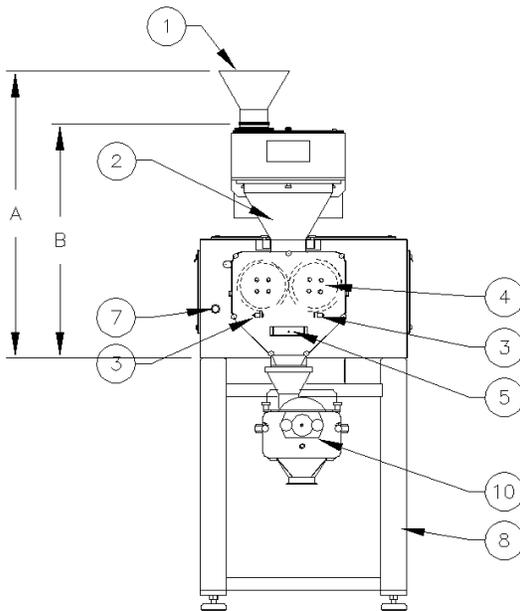
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TFC

1. Product Funnel Hopper
2. Screw Feeder
3. Roll Scraper
4. Rolls
5. Product Sample Tray
6. Access Covers
7. Emergency Stop
8. Support Base
9. Lift Cylinder
10. Knife Mill (Optional)



	TFC-1230	TFC-1540
Throughput Capacity:	100 – 300 kg/hour	200 – 600 kg/hour
Maximum Roll Force:	32,500 kg	40,600 kg
Roll Dimensions:	120mm x 300mm	150mm x 400mm
Dimension A:	1930 mm	2410 mm
Dimension B:	1370 mm	1715 mm
Dimension C:	680 mm	850 mm
Dimension D:	710 mm	890 mm
Dimension E:	2120 mm	2645 mm
Dimension F:	1280 mm	1600 mm

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.

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