



PLF International

Virtus | Series



Virtus Inline Vacuum Filling Technology



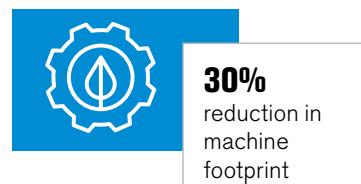
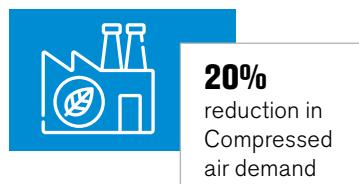
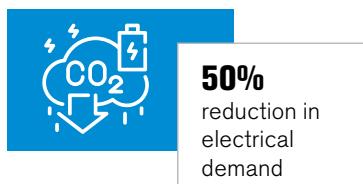
PLF Virtus

An Innovation in Linear Filling

PLF Virtus is the best-in-class new range of linear vacuum filling machines, designed specifically to handle a wide range of milk based nutritional powders including infant formula and specialized medical nutrition at speeds up to 180cpm.

Developed by PLF's experienced team in the UK, the Virtus incorporates a new patent pending nozzle design that delivers up to 3-times higher throughput per head than previous machines, which greatly reduces changeover and cleaning times, maximizes yield, and reduces operational costs.

Compared to conventional rotary machines we can save





SAFETY

No Product Contamination Risk

Vacuum based filling system with no moving parts contacting the product removes the risk of metal to metal contact present in auger based systems.



QUALITY

Gentle Product Handling

PLF patent pending nozzle design requires no moving parts in contact with the product, ensuring its structure is maintained throughout the filling process.

Dust Free Environment

Sealed filling station, to ensure a virtually dust free zone.



PERFORMANCE

Accuracy

PLF intelligent Individual head update system with automatic feedback from integrated check weigher running average weight system results in virtually no product giveaway with a batch accuracy of 0.15% or better.

Low Maintenance / Cleaning

By reducing the number of heads and removing complex rotary mechanisms, we are now able to offer a machine that meets the speed demands and greatly reduces cleaning times and operational costs.

Rapid Changeovers

POKE YOKE change parts for rapid changeover in 5 minutes. All parts are quick release and require no tools.



HYGIENE

Dedicated for powder applications with 304 St.St open section frame with 316 st.st and FDA approved product contact parts.

All surfaces are easily cleaned and are designed in accordance with EHEDG principles to ensure no bug or dirt traps.

Cable trays / cabinets mounted with spacing for easy cleaning.

Continuous welds and rounded corners.

No exposed threads.

No hollow bodies.

Low-adhesion stainless steel surface ViwaTeq treatment for low adhesion of powder and easy cleanability on product contact parts.

SPECIFICATIONS		UTILITY CONSUMPTION
NUMBER OF HEADS	1 – 2 – 3 – 4 – 5 – 6	1 head 45 l/min
MAX. OUTPUT SPEED	30 – 60 – 90 – 120 – 150 – 180 cpm (subject to container and product)	2 head 90 l/min
MACHINE HAND	Left > Right OR Right > Left	3 head 135 l/min
ACCURACY	0.15% of Batch Weight (average weight) 1.5 – 2.5g @ 1SD (minimum weight)	4 head 180 l/min
MAX CAN HEIGHT	260 mm	5 head 225 l/min
FILLING NOZZLE TYPE	Standard nozzle Positive shut off nozzle Volumetric nozzle for granular products Shrouded nozzle (semi-rigid containers)	6 head 270 l/min
REJECTED CANS CONVEYOR	Up to 20 cans (127mm)	ELECTRICAL POWER KW
		1 head 3 kW
		2 head 3.5 kW
		3 head 5.6 kW
		4 head 6.4 kW
		5 head 8.2kW
		6 head 9.3kW

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HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRoCARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRoCARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



PRoCARE®

MINIMIZE YOUR DOWNTIME



REMOTE MONITORING & DATA ANALYTICS



FOOD SAFETY



SUSTAINABILITY

OUR BRANDS



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We're with you, right down the line.™