



## Powder & Granules Filling Solutions

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PLF's Powder & Granules filling technology can be utilised for a wide variety of products, from Infant formula Milk powder, including allergen based products, to Coffee, Beverage Products, Sports Nutrition and Nutraceuticals – with each machine manufactured to the customer's specific requirements.

We can supply highly accurate, versatile and hygienic units designed to fill by vacuum, volume and time-fill - or even a combination of these variables.

Our machines are renowned for handling products gently, with no moving parts in contact with the powder or granules during the filling process - virtually eliminating the risk of contamination.

Such and reputation has elevated PLF to preferred supplier status with a number of leading companies within the manufacturing sectors that we are present.



## Features & benefits:

- An extensive range of models from automatic single head, 2 to 6 head inline and high speed rotary machines from 9 to 30 heads, operating at speeds exceeding 300cpm
- Head update feature for maximum accuracy and minimum giveaway
- Designed for easy cleaning - EHEDG design
- Rapid changeover of product/container, optimising productivity
- Vacuum / volumetric or a combination, filling head design, easily interchangeable heads to accommodate non-free flow or free flow products all on one machine
- Versatile design capable of filling a range of container types, including cans, glass, plastic and composite
- Low maintenance design with no oil lubrication regime required
- Real time production feedback for fast fault diagnosis and optimal production efficiencies
- Remote modem access for programme updates
- Gassing systems available to maintain minimum oxygen content and extend product shelf life
- Tare, Gross and Intermediate check weigh systems with the option of an automatic top-up system are available to suit Average and Minimum weight market requirements
- ATEX compliant when required

## Powder & Granules Filling Solutions

### A customised approach

At PLF, we appreciate that every customer has different requirements. Our approach considers all aspects of a filling system, from the product's flow characteristics and container type, to line speed and feedback systems - while still maintaining excellent levels of accuracy and consistency.

We work with customers from the outset, designing and planning a system that will perform efficiently for its entire lifecycle. The result is an unparalleled quality of filling machinery.

### Container and product types

With our customised approach, we are able to develop machines capable of filling a wide variety of container types, including cans, glass jars, plastics and bags. Our vacuum filling machines have been developed to handle an extensive range of powders. All filling is achieved with minimal product breakdown and dust generation. Additionally, free flowing powders that do not bridge can be accurately filled using positive shut-off nozzles. This approach is ideal for products such as freeze dried coffee, dishwasher powder, sugar or spices.



### Testing and compliance

Before any JBT PLF Equipment leaves our facility, it is thoroughly tested to stringent FAT protocols to ensure optimal performance. As near to production conditions as is practical are used to simulate conditions at the end user site.





## COUNT ON JBT TO 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.



### JBT LIQUID FOODS

FRESH PRODUCE TECHNOLOGIES | FRESH-CUT, ROBOTICS, STEAMING | FRUIT AND VEGETABLE PROCESSING | SECONDARY PROCESSING | ASEPTIC SYSTEMS | FILLING AND CLOSING | IN-CONTAINER STERILIZING | TRAY SEALING | HIGH-PRESSURE PROCESSING | POWDER PROCESSING | TUNA PROCESSING

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