

tailor-made engineering;
packaging & processing solutions



technical
brochure



OWL Innovative Technologies is a sub-brand of Aymaksan Ayla Makina Sanayi Inc.



Technical Details

Machine Model	Filling Range (kg)	Filling Heads	Filling Tolerance	Capacity (Pcs/H)
LD 304 GM.PÜ	30 - 1600	1	± %0.5	6 - 200

1.LD 304 GM. PÜ Semi-Automatic Gravimetric Drum&IBC Filling Machine;

The semi-automatic drum/IBC filling machine, equipped with an advanced gravimetric filling system, precisely fills liquid products of varying viscosities. Drums or IBC packages arranged on a pallet are placed onto the filling platform using a forklift or pallet jack. The operator manually aligns the filling head with the filling neck of the packages and initiates the filling process. Depending on the set filling quantity and method (dual-speed / coarse & fine filling), the filling head automatically cuts off the flow after the filling is completed. The operator then aligns the filling head with the filling neck of another empty package designed to prevent dripping during the filling process. The filling operation is completed after the operator fills the packages on the pallet. Filled drums on the pallet are removed from the IBC platform using a forklift or pallet jack, and a pallet loaded with empty drum packages is placed onto the filling platform. The machine is configured to operate with different package sizes.



Machine Features

- ▼ **Adjustable Quantity and Speed:** Easily adjustable filling quantities and product filling & package transfer speed settings provide repeatable precision and high-performance filling operations.
- ▼ **Alternative Filling Head Application:** The machine efficiently fills liquid products of varying viscosities using different filling head designs.
- ▼ **Flexible Settings for Various Packages:** The machine adapts to different package formats quickly and effortlessly with minimal tooling requirements.
- ▼ **Quick and Easy Cleaning:** Areas in contact with the product can be rapidly cleaned without disassembling filling line components.
- ▼ **Operation in Wet Environments:** It operates smoothly even in wet conditions, ensuring reliable performance.
- ▼ **CE Certification Compliance:** The machine is manufactured in full compliance with CE certification standards.
- ▼ **MID Certification Compliance:** The machine is manufactured in accordance with MID (Measurement Instrument Directive- EU) standards.
- ▼ **User-Friendly Automation:** All functions are easily controlled via an intuitive HMI panel, enhancing ease of use.
- ▼ **Streamlined Design:** The machine's design allows for simple adjustments, enabling format changes without the need for highly skilled operators.
- ▼ **Reliable Spare Parts Support:** Standardized and readily available spare parts ensure smooth and long-lasting operation for many years.



Configurations

- ▼ Filling Lift for Neck/Bottom-Up Filling
- ▼ Different Sets of Filling Heads for Various Products and Neck Diameters
- ▼ Nitrogen Gas Curtain Filling Head
- ▼ Aspiration Hood
- ▼ Explosion-Proof Equipment for Enhanced Protection
- ▼ ATEX Certification
- ▼ Adjustable Speed Electropneumatic Dual-Speed Filling Equipment for Businesses with Free Flow Filling
- ▼ Product Feeding Pump Options
(Centrifugal, Gear, Lobe, Diaphragm, Monoblock, etc. / Selected Based on Product)
- ▼ Filter and Filter Element Options
- ▼ Automatic Filling Nozzle Centering Unit
- ▼ Mechanical & Electropneumatic Drip Tray
- ▼ Use of AISI 316 Stainless Steel for Product Contact Areas
- ▼ Sanitary / Hygienic CIP-Compatible Filling Line Design
- ▼ Easily Interchangeable Filling Head and Product Transfer Hose for Quick Transition to Secondary Product Filling and Efficient Operation
- ▼ Filling Console Height Adjustment System for Compatibility with Various Package Sizes
- ▼ Main Machine Frame and Other Components Made Entirely from AISI 304 Stainless Steel
- ▼ Capping Units for Drums / IBC Packages (Plug Removal&Screwing / Cap Sealing)
- ▼ Reinforced Protection for Explosion-Proof Zones
- ▼ Compliance with Standards and Products Across Various Industries