

Servo Base Powder Filling Machine



Heli Engineers is a leading manufacturer and supplier of advanced Servo Base Powder Filling Machines designed for high-speed, accurate, and efficient powder filling applications.

These machines are widely used in pharmaceutical, food, cosmetic, chemical, agrochemical, dairy, nutraceutical, and packaging industries for precise filling of powder products into bottles, jars, containers, and pouches.

The Servo Base Powder Filling Machine is manufactured using premium-quality SS304 and SS316 stainless steel construction with advanced servo-driven auger filling technology for accurate and hygienic powder filling operations.

The servo motor system ensures precise filling control, repeatable dosing accuracy, smooth operation, and minimum powder wastage during production.

Salient Features

- Advanced servo-driven auger filling technology
- High-speed and accurate powder filling system
- Manufactured in SS304 / SS316 stainless steel material
- PLC controlled operation with touch screen HMI
- High filling accuracy with minimum powder wastage
- Servo motor controlled filling mechanism
- No Bottle “No Fill” system
- Adjustable filling speed and volume control
- Automatic bottle feeding and conveying system

- Low maintenance and energy-efficient design
- Easy cleaning and quick changeover
- Suitable for pharmaceutical, food, cosmetic, and chemical industries
- Available in single head and double head models
- Heavy-duty industrial construction
- Smooth and continuous production performance
- User-friendly operation with programmable settings

Technical Specification

Machine Type	Servo Base Auger Powder Filling Machine
Material	SS304 / SS316
Filling Range	10 gm to 5 kg
Filling System	Servo Driven Auger Filling
Number of Heads	Single Head / Double Head
Production Speed	Up to 60 Bottles Per Minute
Filling Accuracy	± 2 % Depending on Powder
Bottle Diameter	25 mm to 100 mm
Bottle Height	50 mm to 300 mm
Control System	PLC with Touch Screen HMI
Electrical Supply	230 / 440 Volts, 50 Hz
Power Consumption	1 HP to 3 HP
Conveyor Height	750 mm (± 50 mm)
Machine Construction	Heavy Duty Stainless Steel Fabrication
Application	Powder Filling and Packaging
Machine Direction	Left to Right