



The BP small bag packing machine packs 20–50 kg small bags of powder automatically, serving the food, fertilizer, chemical, pharmaceutical, lithium battery and new energy industries. The feeding mechanism, weighing mechanism, bag clamping mechanism, dust collection mechanism and electrical control system are integrated, specifically addressing ultra-fine powder and high-precision packing requirements. The weight sensor supports two-stage (fast / slow) filling; with a heat sealer, bag sewing machine and belt conveyor, it forms a fully automatic packing line.

Model Selection: BP-H25 screw filling type (for free-flowing powders, with a raised frame and chute); BP-S25 screw weighing type (for ultra-fine, poorly aerated materials, with a lifting de-aeration device for bottom-up filling that reduces dust and increases density).

Key Features

- ◆ Weighing accuracy $\pm 0.2\%$ (depending on material characteristics), packing speed 30–60 bags/h
- ◆ Stainless steel frame, modular / open transparent product hopper, tool-free dismantling for cleaning
- ◆ Servo motor driven screw for precise, smooth feeding
- ◆ PLC + touch-screen control with three-stage variable-frequency feeding (fast / medium / slow) and automatic ratio optimization
- ◆ Lifting de-aeration device (some models): bottom-up filling reduces discharge drop and dust while increasing material density
- ◆ Material recovery unit collects packing dust and returns it to the silo for a clean environment

Specifications

Item	BP-H25	BP-S25
Packing Weight (kg)	20–50	20–50
Packing Speed (bags/h)	30–50	40–60
Packing Accuracy	$\pm 0.2\%$	$\pm 0.2\%$
Power (kW)	6	10
Dimensions (mm)	1400×800×3600	1500×800×2800



◆ Optional configurations: pneumatic bag clamping, vibrator, level indicator, weighing module, dust collection and recovery unit. Screw attachments are interchangeable to suit materials from ultra-fine powder to large granules.