

HL8D-250F - Bagging Packaging Machine (Powder)



High-precision filling principle: First, a large-dose fill is performed (accounting for 95%-98% of the total weight). This is followed by feedback from a high-accuracy weight sensor, which sends data back to the PLC. The PLC then iteratively calculates and controls a second, precision compensation fill (making up 2%-5% of the total weight) to fine-tune the weight, ensuring ultimate accuracy. The filling accuracy can reach as tight as $\pm 0.2\%$ of the target weight.

The entire machine features food-contact surfaces made of 304 stainless steel, ensuring compliance with hygiene standards in the food processing industry. The fully automated production process—including material feeding, automatic bag retrieval, coding, bag opening, precise filling, heat sealing, and final product output—is seamlessly executed. All electrical and pneumatic components are sourced from renowned domestic and international brands, guaranteeing smooth operation, superior performance, and reliable quality. Equipped with a smart PLC control system and an intuitive touchscreen interface, the machine offers a user-friendly, easy-to-operate human-machine interaction panel. It also automatically adjusts the clamp width to accommodate bags of varying sizes, while intelligently detecting whether the bag-opening and filling processes are complete—preventing material waste and helping to minimize costs. Additionally, the machine supports a wide range of pre-made bag materials, enabling versatile packaging solutions, and can even provide customized one-on-one sample production tailored to specific customer requirements.

Technical specifications

Model	HL8D-250F
Packaging bag type	Laminated bags such as stand-up pouches, tote bags, zip-lock bags, four-side seal bags, three-side seal bags, and paper bags
Packaging bag size	W: 80–250 mm, L: 150–350 mm
Filling Range	10-1500g
Packaging speed	35–60 packs/min (speed determined by the product itself and filling weight)
Packaging accuracy	Average accuracy $\leq \pm 1\%$
Total power	6Kw
Scope of Application	Seasonings, milk powder, glucose, washing powder, chemical flavorings, pesticides, fertilizers, and more
Measurement and Supporting Equipment	Spiral metering and powder lifting machine
Work Process	1. Bagging 2. Printing the production date 3. Bag opening 4. Material dispensing 5. Heat sealing 6. Shaping and output