

SPW-BD100 Degassing Auger Filling Machine With Online Weigher



This model is designed mainly for the fine powder which easily to spout dust and high-accuracy packing requirement. Based on the feedback sign given by below weight sensor, this machine do measuring, two-filling, and up-down work, etc. It is specially suitable for filling additives, carbon powder, dry powder of fire extinguisher, and other fine powder which needs high packing accuracy.

Features

- The pneumatic bag clamping device and the bracket are installed on the weight sensor, and the fast and slow filling is carried out according to the preset weight. The high-response weighing system ensures high packaging accuracy.
- The servo motor drives the pallet up and down, and the lifting speed can be set arbitrarily, and basically no dust is blown out to pollute the environment during filling.
- The filling screw sleeve is equipped with stainless steel sintered mesh filter interlayer, and with the vortex air pump, it can degas the powder, reduce the air content in the powder, and reduce the volume of the powder.
- The compressed air package blowback device blows back the filter screen to prevent the filter screen from being blocked by materials after long-term use, which will deteriorate the degassing effect of the machine.
- The degassing vortex air pump has a filter device in front of the intake pipe to prevent the material from directly entering the air pump and damaging the air pump.
- The servo motor and servo drive control screw have stable performance and high precision; the power of the servo motor is increased, and a planetary reducer is added to prevent the servo motor from overloading due to the increased resistance of the material degassing screw rotation.

- PLC control, touch screen man-machine interface display, easy to operate.
- All stainless steel structure; combined or open material box, easy to clean.
- The filling head is equipped with a hand wheel to adjust the height, which can easily realize packaging of various specifications.
- The fixed screw installation structure will not affect the material properties when filling.
- Workflow: Manual bagging or manual canning → container rises → fast filling, while the container drops → weight reaches the pre-measured value → slow filling → weight reaches the target value → manual removal of the container.
- Pneumatic bag clamping device and can holding device are available, just choose different devices to meet the requirements of canning and bagging.
- Two working modes can be switched, quantitative or real-time weighing, the quantitative mode is fast, but the accuracy is slightly worse, and the real-time weighing mode is high in precision, but the speed is slightly slower.

Technical Specification

Model	SPW-BD100
Packing Weight	1kg -25kg
Packing Accuracy	1-20kg, $\leq \pm 0.1-0.2\%$, >20kg, $\leq \pm 0.05-0.1\%$
Packing Speed	1-1.5 time per min
Power Supply	3P AC208-415V 50/60Hz
Air Supply	6kg/cm ² 0.1m ³ /min
Total Power	5.82Kw
Total Weight	500kg
Overall Dimension	1125×975×3230mm
Hopper Volume	100 L