

ARFS-series Automatic Rotary Honey Spoon Filling Packing Machine



Fully automatic rotary honey spoon filling & sealing machine can auto loading the empty spoons, empty spoon detecting, auto quantitative filling product into spoon, auto loading the aluminum foil seal lids, auto sealing, auto discharging the finish product. Base on different mold quantity, its capacity from 1200-3000cups per hour, suitable for the foods and beverage factory production needs.

Whole machine is made by stainless steel 304 and anodizing aluminum, ensures it can run in bad food factory environment which has damp, steam, oil, acidity and salt etc. Its body can accept the water rinsing clean.

Using high quality imported electrical parts and pneumatic parts which ensures the stable running in long time, reduces the stop and maintenance time.

Feature:

Rotary plate driven system: servo motor with planetary gear reducer for the rotary table stepping running, it can rotate very fast but avoid material splashing because servo motor can start and stop smoothly, and also keep the positioning accuracy.

Empty spoon falling function: Customized scoop storage bin, push-pull type empty spoon separation, vacuum suction plate adsorption empty spoon into mold, to ensure that empty spoon can accurately fall into the mold.

Empty spoon detecting function: This function detects whether there is an empty spoon at each station of the mold through multiple groups of photoelectric sensors. If there is no spoon, the equipment will stop and continue to operate automatically after the empty spoon is put in manually.

Quantitative filling function: multiple heads plunger extruding pump, high filling precision, easy capacity adjustment, simple cleaning.

Aluminum foil lids placing function: it is made up by 180 rotate vacuum sucker and lids magazine, it can place the lid on the mold fast and accuracy.

Sealing function: The system is composed of heat sealing system and pressurized cylinder, heat sealing system adopts Omron PID temperature controller and sensor, temperature solid-state relay to realize automatic high frequency closed-loop adjustment, temperature fluctuation is small, the heat sealing molds are independent PID control, can be adjusted precisely their sealing temperature, achieving high quality of the sealing work.

Discharge system: The system can automatically adsorb the packed spoon and put it out.

Automation control system: it is made up by PLC, Touch screen, servo system, sensor, magnetic valve, relays etc.

Pneumatic system: it is made up by valve, air filter, meter, pressing sensor, magnetic valve, air cylinders, silencer etc.

Powerrig Machine is one of the toppest honey packing machine, honey filling machine, honey packaging machine factory. During these years of exporting, Powerrig Machine now has rich experience in the worldwide markets.

Parameter

Model	ARFS-2A	ARFS-3A	ARFS-4A
Voltage	3P 380V/50Hz		
Power	3.5kw	4kw	4.5kw
Volume	5-30g		
Capacity	1200-1400 pcs/h	1800-2200 pcs/h	2400-3000 pcs/h
Filling Error	±0.5g (honey)		
Seal size	According to the custom spoon		
Pressure	0.6-0.8Mpa		
G.W.	550kg	600kg	700kg
Size	1350*1050*2200mm	1550*1250*2200mm	1750*1450*2200mm