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High Precision Filling Machine

GOA-FF-RMZX-122

Features

- Adopt high-precision sensors, the accuracy value is adjustable within 1 gram; adopt super large hopper, the single weighing range is about 10-1200 grams, which solves the problem that filling large grams of products in the home textile industry has been unable to accurately quantify.
- Oversized storage box can store 50KG materials at one time, saving the feeding time. Optional auto feeding system, automatically feed when there is no material in the storage box, and automatically stop when there is material.
- It solves the problem of multi-purpose of a single machine fully improving the cost performance of the equipment.
- Modular configuration of filling nozzle: θ 60mm, θ 80mm, θ 110mm, can be replaced without any tools according to the product size.
- This machine can be linked with streamline equipment such as bale-opener, cotton-opener, mixing machine, and can realize production automation.
- Adopt PLC programmable controller and high precision weighing module, achieving more accurate and efficient production capacity.
- One person can operate two filling nozzles at the same time, reducing labor and saving costs.

高精度填充机

GOA-FF-RMZX-122

机器特性

- 该机使用高精度传感器，精度值1克内可调；使用超大型料斗，单次称重范围10-1200克左右，解决了家纺行业内，填充大；
- 超大储料箱，一次性可以存储50KG物料，从而节约了上料时间。同时可选配无人上料系统，储料箱无料时可自动上料，有料时自动停止；
- 解决了单机多用的问题，充分提高了设备性价比；
- 填充管口模块化配置： θ 60mm、 θ 80mm、 θ 110mm，根据产品尺寸，无需任何工具可进行更换；
- 该机可与开包机、开棉机、混料机等流线型设备联动，可实现生产自动化；
- 采用PLC可编程控制器、高精度称重模块，从而达到产能更精准、高效；
- 一人可同时操作两个填充口，减少人工，节约成本。



Application

- Down jacket, fiber jacket, cushion pad, outdoor sleeping bags.
- 3D-17D fiber, down and feather pieces(10-80MM in length), flexible latex particles, high elastic sponge scraps, wormwood, as well as the mixture above.

Environment Requirement

- Temperature: Per GBT14272-2011 requirement, filling test temperature is $20 \pm 2^{\circ}\text{C}$.
- Humidity: Per GBT14272-2011, the humidity of filling test is $65 \pm 4\% \text{RH}$.

Compressed Air Requirement

- Air volume $\geq 0.9 \text{m}^3/\text{min}$.
- Air pressure $\geq 0.6 \text{Mpa}$.
- If the air supply is centralized, the pipe should be within 20m, the diameter of the pipe should not be less than 1 inch. If the air source is far away, the pipe should be bigger accordingly. Otherwise, the air supply is not enough, which will cause filling instability.
- If the air supply is independent, it is recommended to have 11kW or more high-pressure air pump (1.0Mpa).

Machine Parameters 机器参数

Model 型号	GOA-FF-RMZ-122	Filling port 填充口	2
Machine Size 机器尺寸		Package Size 包装尺寸	
Main Body Size 主机尺寸	2400×900×2200mm×1	Main Body and Independent table 主机和独立操作台	2250×900×2300mm×1
Weighing Box Size 称重箱尺寸	2200×950×1400mm×1	Weighing Box 称重箱	2200×950×1400mm×1
Filling Fan 填充风机	800×600×1100mm×2	Filling Fan and Feeding Fan 填充风机和上料风机	1000×1000×1000mm×1
Independent Table 独立操作台	400×400×1200mm×2		
Feeding Fan 上料风机	550×550×900mm×1		
Area Covered 占地面积	5000×3000mm 15m ²	Filling Range 填充范围	10-1200g
Storage Capacity 储料量	20-50kg	Cycle Number 循环数	2 times 2次
Accuracy Class 精度等级	Down $\pm 5\text{g}$ 羽绒 $\pm 5\text{g}$ Fiber $\pm 10\text{g}$ 化纤棉 $\pm 10\text{g}$	USB Data Import Function USB 数据导入功能	Yes 有
Heavy Duty Allocation Function 大克重分摊功能	Yes 有	System Auto Feeding 自动上料系统	Optional 可选配
Filling Speed 填充速度	300g pillow 300g 枕头 7个/分钟 7 pcs/min	Air Pressure 气压	0.6-0.8Mpa
Net Weight 净重	1305kg	Gross Weight 毛重	1735kg
Voltage 电压	3P380	Power 功率	10.5kW

适用范围

- 适用产品: 棉被、抱枕、坐/靠垫、户外用品;
- 适用材质: 3D-17D高纤维棉、羽绒及毛片(长度10-80MM)、柔性乳胶颗粒、高弹性海绵下脚料、艾草艾绒、以及所涉及的混合物。

使用环境要求

- 温度: 根据GBT14272-2011要求, 充绒量测试温度在 $20 \pm 2^{\circ}\text{C}$;
- 湿度: 根据GBT14272-2011要求, 充绒量测试湿度在 $65 \pm 4\% \text{RH}$ 。

气压要求

- 供气量: 0.9 m³/min 以上;
- 气压: 不低于0.6Mpa;
- 若集中供气, 要求管道距离 20m以内, 管道直径不小于 1寸, 若距离长, 则相应加粗管道, 否则供气量不够, 会造成出绒不稳定;
- 若独立供气, 则推荐配置 11kW以上高压泵 (1.0Mpa)。

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