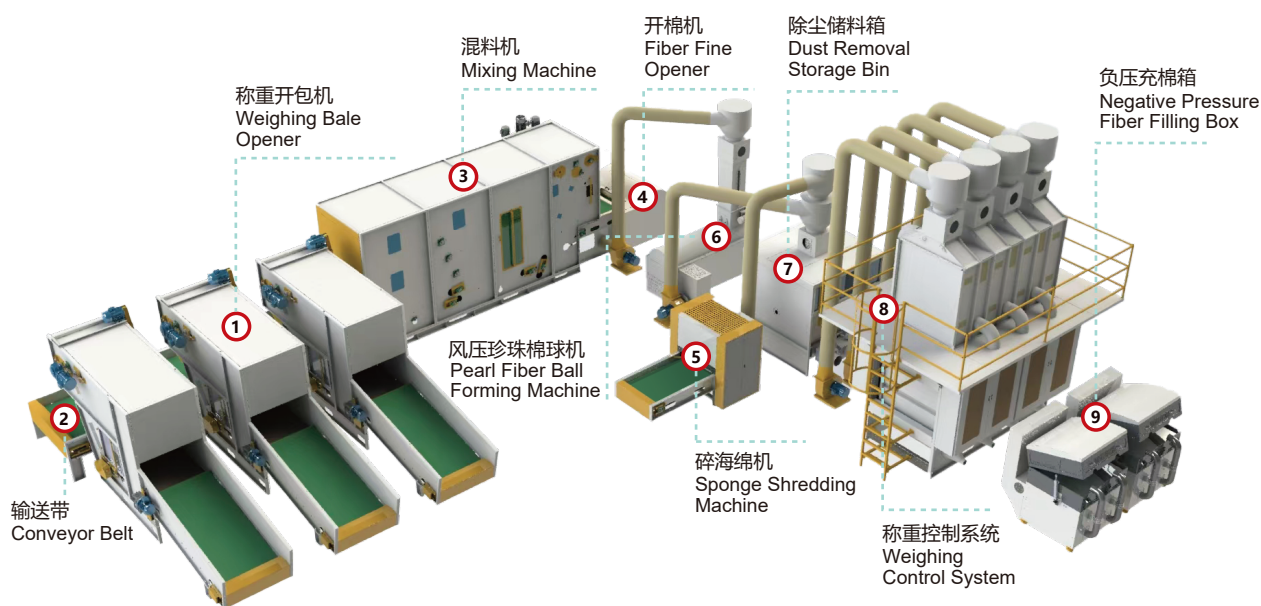


全自动负压定量枕芯填充生产线 Automatic Vacuum Pillow Filling Production Line



GOA-FF,KB-HL-KM-SM-MQ-CL-CZ-FC-3P380

机器特点

- 该生产线主要适用于将0.7D以上的化纤涤纶短纤原料开松处理，并定量填充到 枕头、抱枕、靠垫、沙发垫等产品。
- 全自动一键启动，定量精准，操作简单，填充均匀。
- PLC程序控制，机器自动喂棉，负压充棉，自动夹具套袋。
- 填充口适用范围 $\geq \varnothing 10.5\text{CM}$ 。
- 产能范围：150-300KG/小时，每分钟4-6个（视具体纤维规格及填充克重不同）。
- 定量功能，误差可控制在 $\pm 2\%$ 左右。

机器参数 Parameters

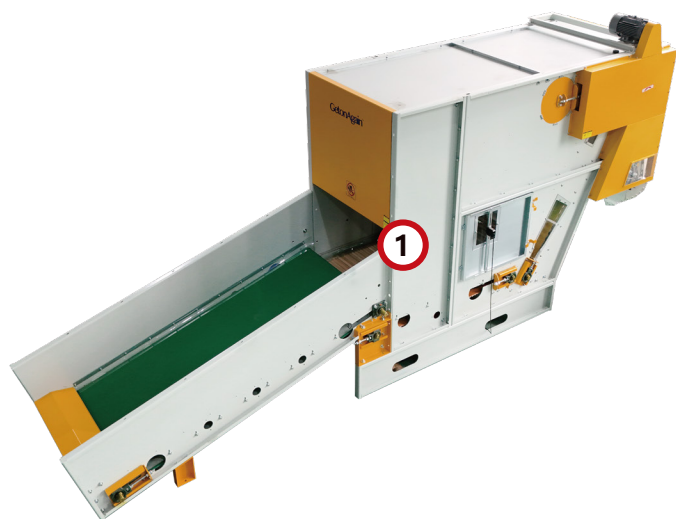
占地尺寸: Installation Size (L×W×H):	18000mm×13000mm×5000mm	效率: Efficiency:	每分钟 4-6 个 (7D及以上, 单个枕头500g以内) Filling speed: 4-6 units per minute (for 7D and above, single pillow under 500g).
重量: Weight:	13690Kg	功率: Power:	115KW
气压: Power:	0.8MPA	电压: Voltage:	3P 380V, 50Hz

Features

- This production line is suitable for loosening and weighing filling polyester short fiber raw materials (greater than 0.7D) into products such as pillows, cushions, back cushions, and sofa pads.
- Fully automatic one-button start, precise weighing filling, simple operation, and uniform filling.
- PLC program control, automatic cotton feeding, negative pressure cotton filling, and automatic clamping tools for bagging.
- Filling Opening Applicability: $\geq \varnothing 10.5\text{CM}$.
- Production capacity range: 150–300 kg/h, 4–6 pieces per minute (varying with specific fiber specifications and filling weight).
- Quantitative measurement function, with errors controlled within approximately $\pm 2\%$.

称重开包机

Weighing Bale Opener



机器特点

- 将不同规格的各种捆包纤维初步开松，按设定的比例输送给前方机台的喂棉帘上，多台联合使用。
- 采用无级变频，光电定量控制，振动给棉，准确均匀。
- 由储棉仓，角钉斜帘，剥棉辊，均棉辊，振动辊，传动机构组成。

Features

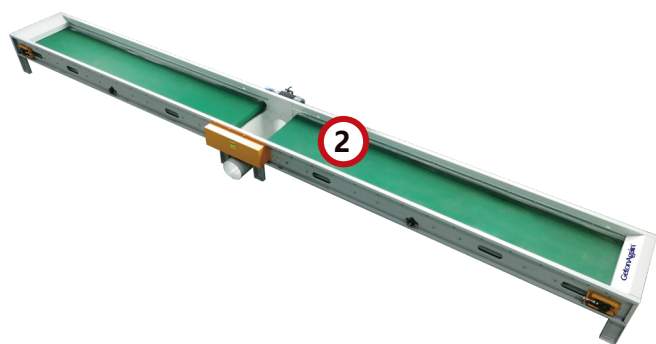
- Initially loosens various bundled fibers of different specifications and delivers them to the Feeder Lattice of the downstream machine at a set ratio. Multiple machines can be used in conjunctions.
- Features stepless frequency conversion, photoelectric weighing control, and vibration feeding for accurate and uniform delivery.
- Composed of a cotton storage bin, pinned inclined lattice, cotton stripping roller, cotton leveling roller, vibrating roller, and drive mechanism.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	5200mm×1250mm×2350mm	重量: Weight:	1200Kg
功率: Power:	4KW	电压: Voltage:	3P 380V, 50Hz

输送带

Conveyor Belt



机器特点

- 将开包机称好的化纤通过连接风机输送进混料机中。

Features

- Transports the weighed synthetic fibers from the bale opener to the mixing machine through a connected fan.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	4000mm×550mm×600mm	重量: Weight:	200Kg
功率: Power:	1.5KW	电压: Voltage:	3P 380V, 50Hz

混料机

Mixing Machine



机器特点

- 多种纤维混合喂入，初步开松混合，同时去除金属类杂质。
- 采用旋转分离装置，使纤维能均匀分布在仓内，并确保珍珠棉线的连续生产进料。

Features

- Automatic multi-fiber blending and opening machine, capable of feeding and preliminarily opening various fibers in set proportions while removing metallic impurities.
- Equipped with a rotary separation device to ensure uniform fiber distribution in the storage chamber and continuous feeding for downstream EPE (pearl cotton) production.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	7300mm×1400mm×2900mm	重量: Weight:	1500Kg
功率: Power:	7KW	电压: Voltage:	3P 380V, 50Hz

开棉机

Fiber Fine Opener



机器特点

- 适用于PP棉开松，将前道经过初步开松混合的纤维进一步开松混合，并通过梳棉风机输送至下道工序。

Features

- Suitable for further opening and blending of PP fibers. Processes fibers that have been preliminarily opened and blended in the previous stage, providing additional fiber opening and mixing. The processed fibers are then conveyed to the next stage via a carding fan.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	2450mm×1500mm×1200mm	重量: Weight:	1200Kg
功率: Power:	8.6KW	电压: Voltage:	3P 380V, 50Hz

碎海绵机



Sponge Shredding Machine

机器特点

- 主要用于将海绵粉碎成块状，用于填充枕芯、抱枕、宠物垫等产品。

Features

- Mainly used for shredding sponge or foam into uniformly sized pieces for filling pillows, cushions, pet beds, and similar products.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	2050mm×1500mm×1300mm	重量: Weight:	600Kg
功率: Power:	19.5KW	电压: Voltage:	3P 380V, 50Hz

风压珍珠棉球机



Pearl Fiber Ball Forming Machine

机器特点

- 用于将中空化纤材料制作成珍珠大小的球状填充物。用于枕芯、玩具等产品的填充，使成品弹性好、更饱满。
- 能根据需要调整球形大小及蓬松度。
- 适用纤维规格：3D32/4D32/6D51/7D51/15D64。

Features

- Used to process hollow synthetic fibers into pearl-sized spherical filling materials for products such as pillows and toys, providing superior elasticity and fullness.
- The machine features adjustable settings for ball size and loft to meet various application needs.
- Applicable fiber specifications: 3D32/4D32/6D51/7D51/15D64.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	2150mm×800mm×3550mm	重量: Weight:	850Kg
功率: Power:	9KW	电压: Voltage:	3P 380V, 50Hz

除尘储料箱



Dust Removal Storage Bin

机器特点

- 主要用于缓存开棉机开松后的化纤或珍珠棉，分别送入不同的充棉设备中，同时具有缓存和搅拌功能，如果料箱中有海绵，还具有除尘功能。

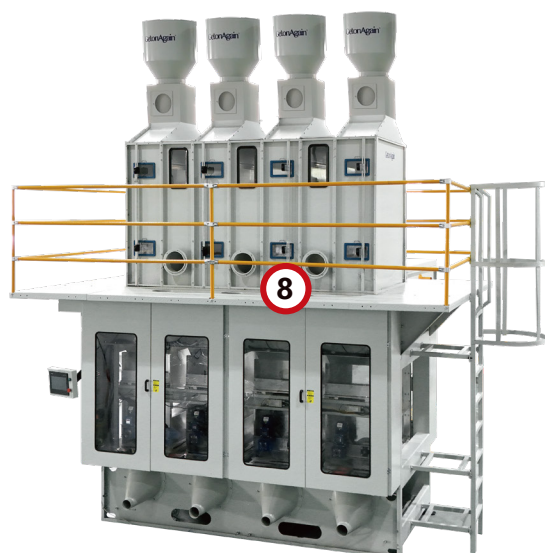
Features

- Mainly used for buffering and storing fiber or pearl cotton after opening and loosening, and for distributing materials to different filling machines. The bin provides both buffering and mixing functions. When the sponge is present, it also features dust removal capability.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	1800mm×1800mm×3050mm	重量: Weight:	850Kg
功率: Power:	3.7KW	电压: Voltage:	3P 380V, 50Hz

称重控制系统



Weighing Control System

机器特点

- 本产品连接料箱用于将开松后的化纤、纤维进行定量，然后通过连接充棉风机或负压充棉箱进行充填，定量精准，误差范围±2%。

Features

- This system connects to the storage bin to accurately weigh, and dose opened synthetic fibers or other fibers. The precisely measured fibers are then delivered to the filling fan or negative pressure filling box for filling. The system offers high accuracy with a tolerance of ±2%.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	3800mm×3600mm×5300mm	重量: Weight:	3550Kg
功率: Power:	4.25KW	电压: Voltage:	3P 380V, 50Hz

负压充棉箱

Negative Pressure Fiber Filling Box



机器特点

- 本产品用于将开松后的化纤或海绵吸入枕芯、抱枕、沙发靠垫等产品中。
- 采用涡轮风机，进行真空负压来达到充棉的效果。
- 每个负压箱中可以做2个充棉口，充填效果好。

Features

- This product is used to fill opened synthetic fibers or sponge into pillow cores, cushions, sofa backrests, and similar products.
- It utilizes a turbine fan to create a vacuum (negative pressure), enabling efficient fiber filling.
- Each negative pressure filling box can be equipped with two filling ports, ensuring excellent filling performance.

机器参数 Parameters

占地尺寸: Installation Size (L×W×H):	3800mm×3600mm×5300mm	重量: Weight:	300Kg
功率: Power:	18KW	电压: Voltage:	3P 380V, 50Hz

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