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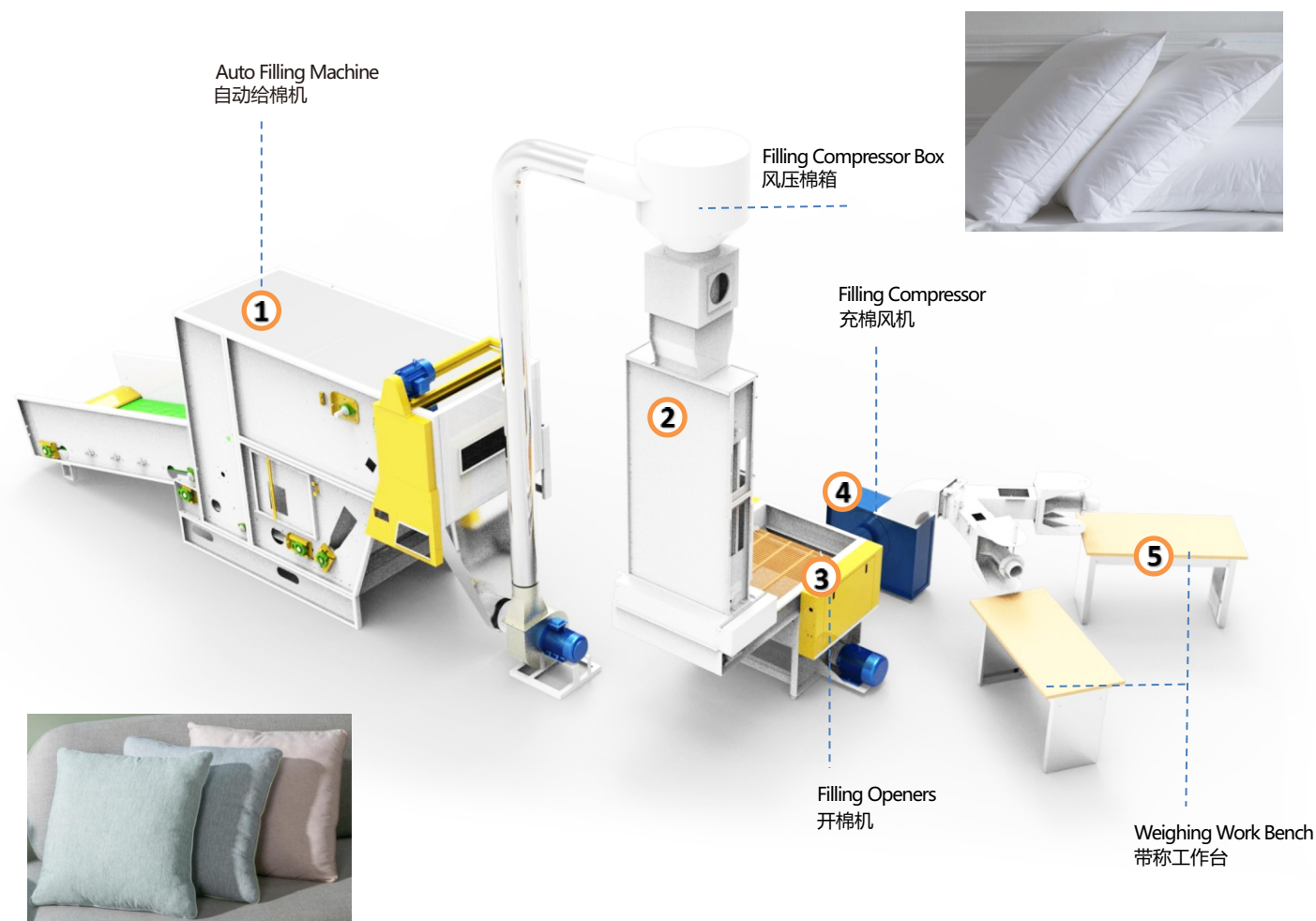


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Pillow/Bolster Pillow/Cushion Filling Line 枕芯/抱枕/沙发坐垫填充线



Application

- This production line mainly for 6D or above synthetic fiber opening and weighing, then filling for pillow, bolster pillow, cushion or similar products.
- Filling hole open width is 20cm or above, opening speed at 200kg/hour.
- PLC program control, auto feeding, auto case insertion fixture.
- One person can operate the whole production line, save labour, no skillful worker required.
- Weight presetting function, tolerant within $\pm 10\%$ approx.
- Multiple open rollers, 100% open rate of 6D above synthetic fiber, no damage on fiber crimp and smoothness.
- Filling products are fluffy, good resilience and soft hand feeling.

适用范围

- 该生产线主要用于将6D以上的化纤涤纶短纤维原料开松并定量填充到枕头、抱枕、沙发坐垫中；
- 填充口适用范围20CM或以上；开棉速度200KG/小时。
- 采用PLC程序控制，机器自动喂棉，自动夹具套袋
- 整套设备只需1个操作工人，节省人工，对操作人员无专业技能要求；
- 定量功能，误差可控制在 $\pm 10\%$ 左右；
- 多罗拉开松，6D以上化纤开松率可达100%，不损伤纤维的卷曲度和滑度
- 填充出来的产品蓬松、回弹性好、手感柔软。



Parameters 机器参数

Machine Size 占地尺寸	6850×5600×3630mm	Productivity 效率	4 PC/Min 4个/Min
Weight 重量	2380kg	Power 功率	12kW
Air Pressure 气压	0.8Mpa	Voltage 电压	3-phase 4-wire 380V 三相 四线 380V

Auto Filling Machine 自动给棉机

- Auto filling machine, also named as Bale Opener.
- Mainly used for preliminary opening large bales of fiber raw material and automatically sent to the opener instead of manual feeding, more safety work.
- A bale of about 300 kg of material (can be customized according to customer needs) can be put on conveyor belt of bale opener at a time, save labour cost.
- 自动给棉机又称开包机；
- 该设备主要用于将大包的纤维棉原料进行初步开松并自动送给开棉机，代替人工喂棉，加强了安全性；
- 一次可投放一包棉300公斤左右（可根据客户要求定制）的原料在开包机输送带上，节省人工成本。

Parameters 机器参数

Machine Size 占地尺寸	5260×1490×2240mm	Weight 重量	1500kg
Power 功率	4.4kW	Voltage 电压	3-phase 4-wire 380V 三相 四线 380V

Filling Compressor Box 风压棉箱

- Pre-opening fiber or raw material evenly lay on the conveying curtain, so that opening machine can evenly feeding the filling.
- Optical sensor adopted, once filling box is full, feeding from the bale opener will be stopped, so as to prevent compressor or the opener from blocking due to excessive fiber feeding.
- 将初步开松纤维或纤维原料均匀铺到开松设备输送帘上，从而让开松机匀量出棉。
- 本机带光控，当箱内棉满时开包机进料停止，以防止化纤加料过多造成风机或开棉机卡机。

Parameters 机器参数

Machine Size 占地尺寸	1260×1450×1240mm	Weight 重量	1500kg
Power 功率	0.25kW	Voltage 电压	3-phase 4-wire 380V 三相 四线 380V

Filling Openers

开棉机

- Filling Opener, also called Fiber opener.
- Mainly for the opening of Fiber raw material, polyester and polypropylene polyester fiber.
- Rollers with anti-winding device, and conveyor belt with anti-deviation device, reduced maintenance and cleaning frequency, improved equipment reliability.
- Rollers are processed with dynamic balance, without vibration, and low noise level during operation, no machine fixed required.
- Multi-head dense gear and the tension generated by reverse operation of the multi-gear rollers, enhanced the opening effect, made the fiber can achieve the best fluffy effect.
- 开棉机又称开松机；
- 主要适用于涤纶、丙纶聚酯纤维等化学纤维原料的开松；
- 工作辊防缠棉装置和输送带防跑偏装置，减少维护清理次数和提高设备的可靠性；
- 所有工作罗拉经过动平衡处理，机器在运行过程中无震动，低噪音，无需固定；
- 采用多头密齿，多齿辊逆向运转产生的拉力的原理，加强了开松程度，使纤维棉达到最佳的蓬松效果。

Parameters 机器参数

Machine Size 占地尺寸	1700×1700×1100mm	Weight 重量	550kg
Power 功率	4kW	Voltage 电压	3-phase 4-wire 380V 三相 四线 380V

Filling Compressor

充棉风机

- Connect the filling opener, fill the opened fiber into bolster pillow or pillow case through the centrifugal effect.
- Filling feeding open with clamping fixture, replaced manual holding of the feeding pocket during filling work, automatically released the fixture when filling is finished.
- Auto-switch filling port with the preset filling time, two filling ports alternative feeding.
- Filling port can be connected to weighing or a vibration workbench for finishing work while filling.
- 连接开棉机，将开松后化纤通过离心风机风力充入抱枕、枕芯壳中。
- 充口处带自动夹具，充填工作进行时代替人工夹住产品进料口，充填结束后自动松开。
- 根据设定充填时间自动切换充口，两个充口切换充棉。
- 充棉口处可接称重工作台，也可接振动工作台，边充边整理。

Parameters 机器参数

Machine Size 占地尺寸	1800×1840×2200mm	Weight 重量	140kg
Power 功率	3kW	Voltage 电压	3-phase 4-wire 380V 三相 四线 380V

Weighing Work Bench

带称工作台

After filling feeding completed, weighting the filled product. 充棉结束后，对充棉产品进行称重。

Parameters 机器参数

Machine Size 占地尺寸	1200×1020×830mm/Set 1200×1020×830mm/个	Weight 重量	20kg/Set 20kg/个
Power 功率	5W/Set 5W/个	Voltage 电压	3-phase 4-wire 380V 三相 四线 380V

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