



精准称量 混棉系统

Accurate weighting and cotton blending system

青岛即墨第一纺织机械厂

No.1 Textile Machinery Factory Of Jimo Qingdao

◇地址：青岛市即墨区姜家坡火车站东

◇电话：0532-83586366 83586592

◇传真：0532-83586391

◇邮编：266233

◇网址：www.yunlongfj.cn

◇邮箱：458893203@qq.com

◇Add: East Railway Station Of Jiangjiapo, Jimo, Qingdao

◇Tel: +86-532-83586366 83586592

◇Fax: +86-532-83586391

◇Post Code: 266200

◇Http: www.yunlongfj.cn

◇E-mail: 458893203@qq.com

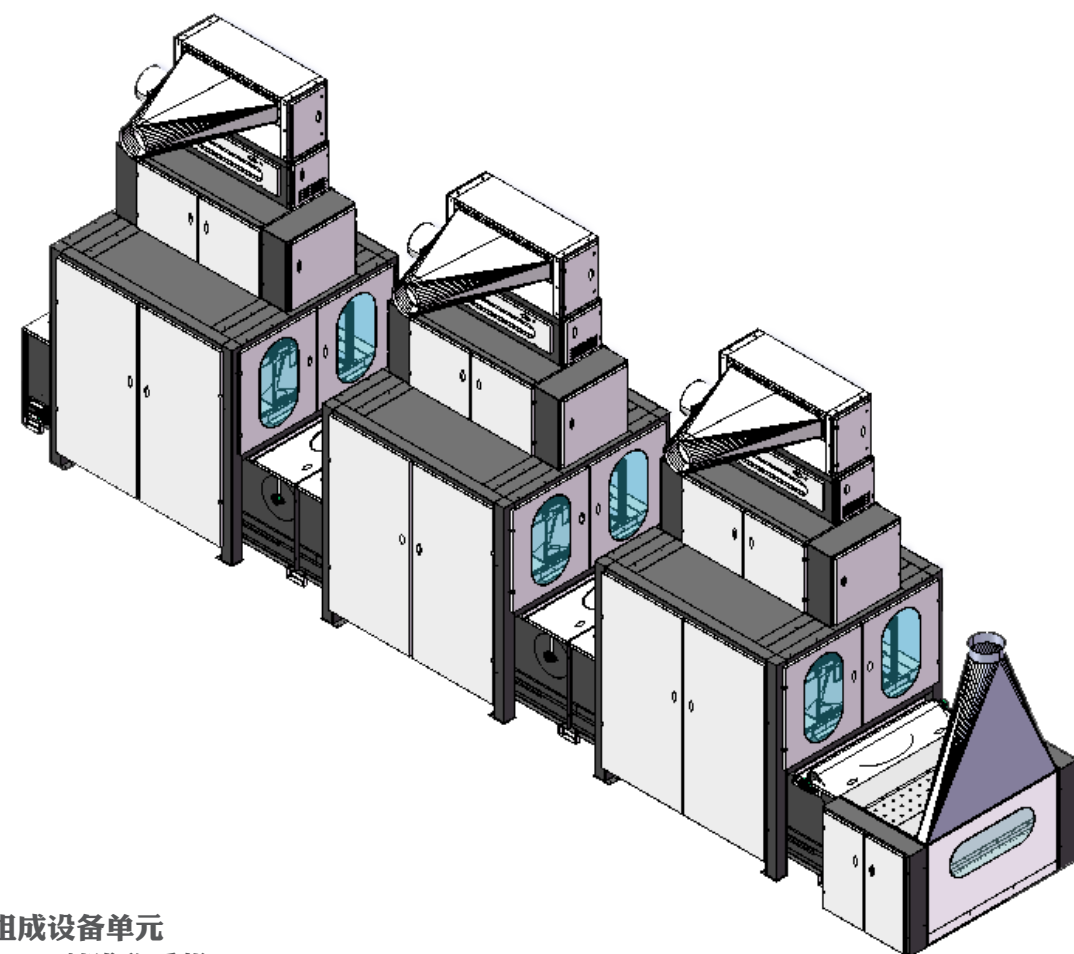
青岛即墨第一纺织机械厂

No.1 Textile Machinery Factory Of Jimo Qingdao



精准称量混棉系统

Accurate weighting and cotton blending system



主要组成设备单元

- ①YLF1038精准称重机 YLF1038 precise weighing machine
- ②YLF1036混合输送机 YLF1036 mixing conveyor
- ③YLF1037混合开松机 YLF1037 mixing opener

机器特征参数

- 1、机器幅宽 (mm) : 1600
- 2、产量1200kg/h
- 3、一次最多混合6种组分
- 4、称重精度误差比例 $\pm 1\%$
- 5、混纺率偏差 $\pm 1\%$
- 6、总装机功率 (三组分) 10.8KW

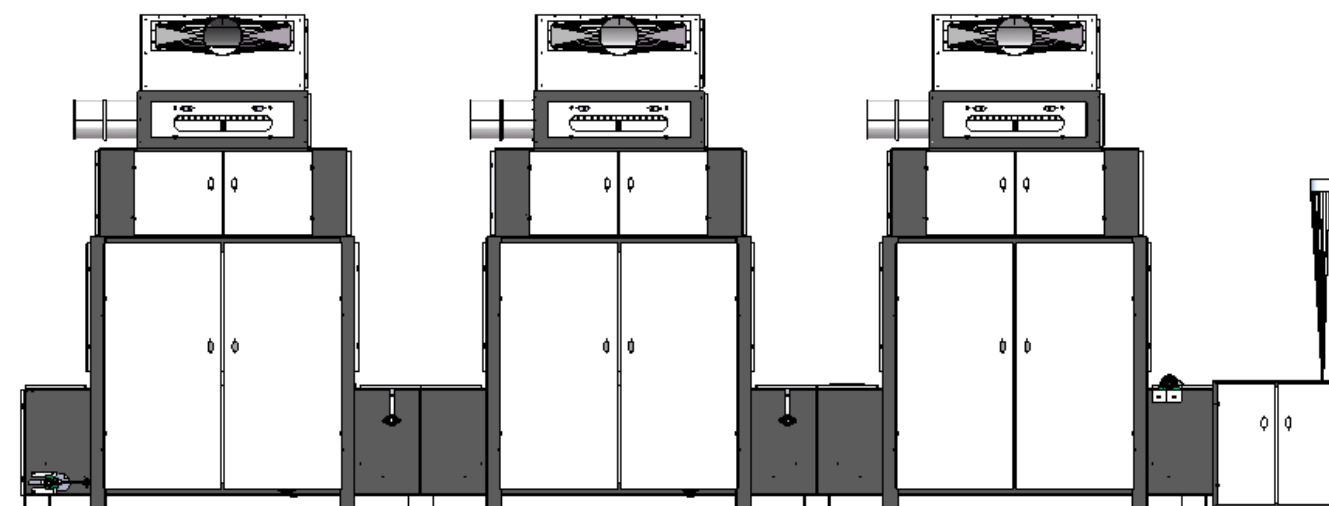
Advantage: precise and particular fiber mixing.

- 1、machine width(mm):1600
- 2、Production:1200kg/h
- 3、Can mix 6 kinds of material
- 4、Weighing precise error ratio: $\pm 1\%$
- 5、Blending ration error: $\pm 1\%$
- 6、Total power(3 groups):10.8KW



精准称量混棉系统

Accurate weighting and cotton blending system



本机组集海内外业者智慧而成，专用于多组分纤维混合工艺。根据原料配比工艺要求，本机组按各种纤维预设重量值做精准定量喂入，均匀混合，使单位重量的原料所含的不同成分达到工艺要求，消除后道工序因原料混合不均匀引起的纱线色差、强度不均等问题，从而达到高品质的均一混棉效果。本机组适用于65mm以下纯棉或棉型化学纤维，可做2-6种纤维混纺。

This machine is integrated with wisdom of many foreign and domestic professors, which is suitable for multi-group fiber mixing process. According to requirement of material ration process, the precise feeding is controlled by presetting weight value, and the mix the well. Which can make different component in unit weight of raw material meet the process requirement. This can eliminate yarn color difference and strength uneven caused by the following working process. so this machine can realize high quality and even mixing result. This machine is suit for cotton or cotton fiber below 65mm and the material can have different kind fiber from 2 to 6.



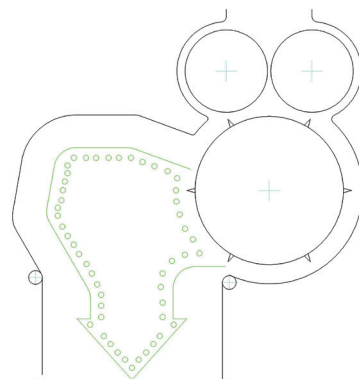
精准称量混棉系统

Accurate weighing and cotton blending system

工匠级机械系统，追求更高性能目标

1、供棉机构偏置，打手向斜上方抛棉，减少棉块、风速对磅斗的冲击。棉块在“弧形导向仓”内转向，缓缓落入磅斗内。

offset feeding structure,the beaters throw cotton above,which can reduce tufts of cotton and soften the shock to the hopper.Tufts of cotton steer in art-guide cabin and then falls slowly into the hopper.



2、磅斗结构优化，容量大，重量轻，刚性强。

Optimized Hopper structure,with big vacuum、light weight and well rigidness.

3、磅斗柔性支撑在机架上，隔离机械震动对称量精度影响。

Hopper is mounted on the machine frame flexibly,isolating the influence of mechanical variation to weighing precision.

4、磅斗落料门开启方式独特：边开启边上抬，落棉顺畅，利于平摊、迭铺棉层。

Special opening method of hopper door:the door opens meanwhile it lifts up ,so the cotton drops smoothly and it is good for spreading cotton layer.

5、磅斗位置可移动：可非常方便、快速地将磅斗从机架内抽拉出来，推送回去。其功能为：

(1)、将磅斗内的棉花快速倒入机外容器内，便于实验室作称重精度检验。

(2)、改换纤维品种时，便于彻底清洁磅斗内部及其上方的过棉通道，防止产生异纤。

The Hopper can be moved:it's very convenient to pull and push the hopper ,the function is as follows:

(1)、The cotton can be emptied into outside container from the hopper quickly,convenient to weight and check in the lab.

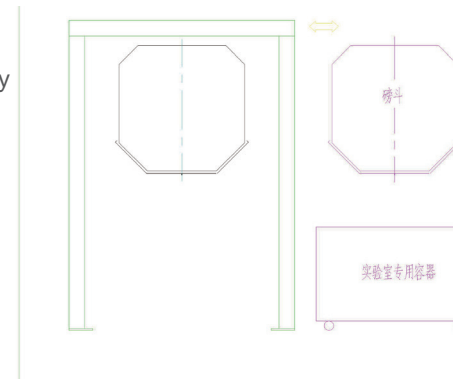
(2)、when changing fiber variety,it ' s convenient to clean hopper and the cotton passage above,prohibiting causing foreign fiber.

智能控制系统，采用先进的技术标准

Intelligent control system,adopting advanced technical standard

1、连续送棉控制系统：平衡控制清花工序向称重工序送棉量。

continuous feeding control system : balance and control feeding quantity from blowing process to weighing process.



2、磅秤供棉控制系统：精准控制磅斗供棉量。

Scale feeding control system:controlled feeding quantity from scale precisly.

3、双磅秤控制系统

Double scales control system

(1)、采用冗余设计，具有两套磅秤系统，可提高系统控制精度、可靠性。Adopting redundant design,with 2 sets of scales system,can improve system control precision.

(2)、一个磅秤工作，一个磅秤校验；互相校核每一磅的称量精度。one scale is working,the other is checking;check the scale ' s weighing precision with each other.

(3)、若遇一个磅称系统出现故障，可快速切换至另一个磅秤系统，减少停机时间。If one of scales has fault,the customer can shift to the other scale system,reducing machine ' s down time.

4、误差自动补偿。

Error can be compensated automatically.

5、信息、产量自动记录。可人机交流信息，输出报表。

Info. and production can be recorded automatically. Which can realize man-machine communication and output report.

6、远程移动通讯。

Long-distance mobile communication.



精准称量混棉系统

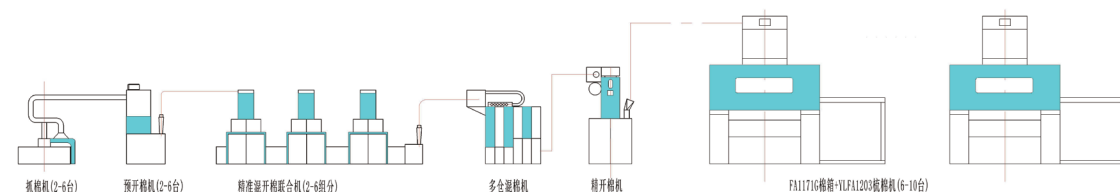
Accurate weighing and cotton blending system

百变般设备组合，满足梦幻工艺要求

Changeable machine combination, meeting incredible process requirement

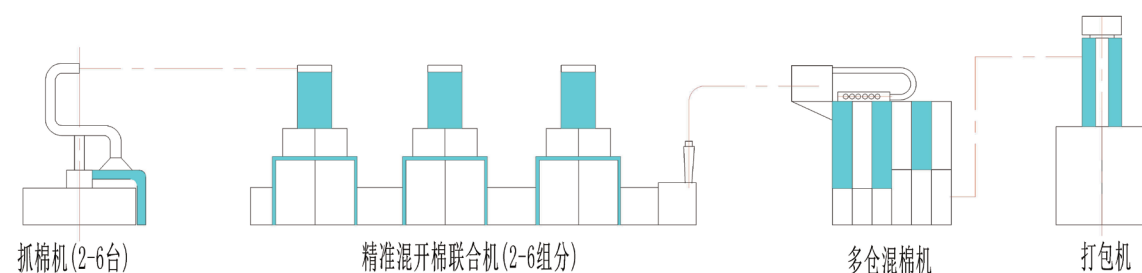
1、自动生产线流程：抓棉机 预开棉机 精准混开棉联合机 多仓混棉机 精开棉机 FA1171G 棉箱+YLFA1203梳棉机

Automatic production line process: : bale plucker pre-opener Accurate weighing and cotton blending machine multi-mixer fine opener FA1171G Chute YLFA1203 Carding machine.



2、称重混合打包流程：抓棉机 精准混开棉联合机 打包机

Weighting and mixing baled process: bale plucker Accurate weighing and cotton blending machine packer



3、人工喂棉生产流程

(松包机) 卧式精准混开棉联合机 { 打包机
多仓混棉机 精开棉机 FA1171GIANG棉箱+YLFA1203梳棉机

Artificial Feeding production process

(bale opener) horizontal Accurate weighing and cotton blending machine { packer
Multi-mixer fine opener FA1171G Chute YLFA1203 Carding machine



精准称量混棉系统

Accurate weighing and cotton blending system



精准称量混棉系统外形尺寸示意图

Accurate weighing and cotton blending system overall dimensional drawing

