

大牧人
Big Herdsman



自动清粪系统

The automatic manure removal system

自动清粪系统主要包括舍内笼具纵向清粪系统、横-斜向清粪系统和场区中央清粪系统，其主要功能是实现将鸡粪由笼体内输送到室外鸡粪存放区。

The automatic manure removal system mainly includes longitudinal manure removal with cage in the house, horizontal - lifting manure removal machine and manure removal machine in the field area, which mainly realizes conveying manure from inside to outside manure storage area.

青岛大牧人机械股份有限公司
Big Herdsman Machinery CO.,LTD

让养殖变得简单/可靠/环保/高效
—Simple/Reliable/Green/Efficient—

笼内纵向清粪系统 Inside manure cleaning system

笼内纵向清粪系统主要是定时将鸡笼内的鸡粪从笼内纵向输送带运送到笼外横向清粪机，以完成鸡舍内鸡粪清理。该系统主要由后端驱动装置、前端从动装置和粪带三部分组成。

The longitudinal manure cleaning system in the cage is mainly to regularly remove the chicken manure in the cage from the longitudinal conveyor belt inside the cage to the horizontal manure cleaning machine outside the cage to clean chicken manure in the chicken house. The system is mainly composed of three parts: rear end drive device, front end driven device and manure belt.

- 系统选用知名品牌电机，整体强度高，运行稳定。
- 驱动辊采用热浸锌优质结构钢驱动辊，耐腐蚀，运行稳定，使用寿命长。
- 压带辊为分段式挂胶压带辊，可有效防止粪带跑偏。
- 压带辊配有压紧机构，可有效防止粪带打滑。
- 采用双道PU材质一体式打开机构的清粪刮板，与粪带贴合紧密，刮粪干净，操作便捷。
- 前端尼龙螺旋从动辊，可方便的导出鸡毛等杂物，不伤粪带。
- 前端加高PVC内刮板，可有效地阻止鸡毛等杂物进入从动辊。
- PP材质输送带,耐磨、抗老化，摩擦系数低。
- The system adopts well brand motor, with good overall strength and stable operation.
- Drive roller adopts high quality structural steel drive roller with hot dip zinc, corrosion resistant, stable operation and long service life.
- The belt pressing roller is a segmented rubber pressing roller, which can effectively prevent the deviation of the manure belt.
- The pressing roller is equipped with a pressing mechanism, which can effectively prevent the manure belt from slipping.
- Adopt double-channel PU material one-piece open mechanism of excrement cleaning scraper, close to the excrement belt, clean excrement scraping, convenient operation.
- Nylon spiral driven roller at the front can easily export chicken feathers and other sundry things without hurting the manure belt.
- The front end with high PVC inner scraper can effectively prevent chicken feathers and other sundries from entering the driven roller.
- PP material conveyor belt, wear resistance, anti aging, low friction coefficient.



笼外清粪系统 Outside manure cleaning system

笼外清粪系统包括室内横-斜向清粪系统和场区中央清粪系统，室内横向清粪机将笼体内纵向输送带运送的鸡粪输送到室外斜向清粪机，再由斜向清粪机输送到运粪车或由场区清粪机输送到指定存放区；场区中央输粪系统主要实现多栋鸡舍鸡粪集中输送到指定存放区，可以大大减少整场区的清粪时间，降低劳动强度，减少鸡粪对厂区环境污染，提高养殖场区的生物安全。

The outside manure cleaning system includes horizontal - lifting manure removal system and central manure removal system in the field area. The indoor horizontal manure scraper is used to transport the manure transported by the longitudinal conveyor belt in the cage to the outdoor inclined manure scraper which is used to transport the manure to the manure truck, manure scraper on the farm or designated storage area outside. The manure delivery system on the farm is mainly used to deliver manure of multiple poultry houses intensively to the organic fertilizer room or the position designated outside the farm, which can greatly reduce the manure removal time on the farm, reduce the labor, lower the environmental pollution risk of the farm, and improve the biological safety of the farm.

- 型材焊接热浸锌框架式主体结构，防锈耐腐蚀，强度高。
- 压带辊驱动结构，适用于稀粪、雨水湿滑等复杂工况下，可有效防止粪带打滑。
- 链条张紧传动机构，可避免链条跳齿等现象发生。
- 多道刮板结构，粪带清洁高效。
- 刮板把手结构，简单方便实用干净。
- 前后端防偏结构，保证粪带无跑偏。
- 环形橡胶输送带，耐磨耐腐蚀，经久耐用。
- 厂区中央清粪系统采用多套清粪机搭接方案，通过地下、地上和空中等多种输送方式，适用复杂地形条件。
- Profile welded hot-dip galvanizing frame-type main structure, with rust prevention and corrosion resistance, and high strength.
- The belt pressure roller driving structure is suitable for complex working conditions, such as diluted manure, rain water and slippery conditions, and can effectively prevent the manure conveyor belt from slipping.
- Chain tension transmission mechanism can avoid the phenomenon of chain skipping.
- Multi-channel scraper blade structure facilitates high efficiency of manure belt cleaning.
- The scraper blade handle structure is simple, convenient, practical and clean.
- Anti-deviation structures are provided at front and rear ends to ensure no deviation of the manure conveyor belt.
- Annular rubber conveyor belt is wear-resisting anti-corrosion and durable.
- Different lap joint schemes for manure scraper, Multiple transportation modes such as underground, above-ground and overhead transportation, applicable to complex terrain conditions.



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