

Company Introduction

Anhui Henning Saint Technology Co., Ltd. (AHST), established in 2017, is a high-tech company that develops, produces and sells intelligent vision equipment with mature intelligent sorting and packaging system integration solutions. It is mainly engaged in color sorting industry, vision counting industry, packaging industry, etc. AHST has developed on sorting equipment for more than 5 years, which has built wide experience in food, recycling, mining and other fields. At the same time, AHST can provide customized counting, packaging, labeling and other complete solutions according to various customer needs, which are widely used in hardware, fasteners, electronic parts, plastic parts and other industrial, agricultural, pharmaceutical and food fields.

AHST is committed to developing more advanced technology and optimized production processes to ensure stable and high quality output for our customers. AHST provides free sample proofing and life-long technical service. The outstanding quality, advanced technology and professional after-sales service make AHST stand out from other competitors.

AHST is convinced the original intention of "More Intelligent, More Convenient , More Outstanding" to make contribution both for customers and international intelligent industry.

Main Product 1: Color Sorter(Color & Shape Sorting Solution)

single belt-type & dual vision sorter; double belt-type & dual vision sorter



HSL1-128



HSL2-512

Belt-type structure design, not only for regular material sorting, but also for irregular material sorting, as well as fresh, wet and greasy material sorting; dual vision control, all-round identification of material surface defects, without letting go of a substandard product. Double belt-type structure design, one layer of debris removal, one layer of re-sorting, one time sorting is completed: dual vision control, all-round identification of material surface defects, so that the sorting is more accurate.

Feature:

1. Special intelligent software system

Automatic machine capture

Physical image comparison

Precise parameter setting



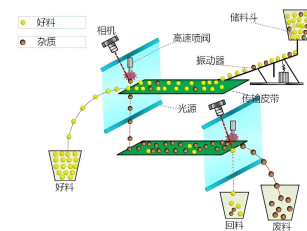
2. Double belt-type structure design

Wide range of materials for crawler feeding

Double-layer structure can achieve twice sorting

Track structure reduces damage to materials

Machine structure to improve production and precision



3. Intelligent linkage

Seamlessly connect to various production lines

Parameter adjustment with material changes



4. Remote service

Remote control

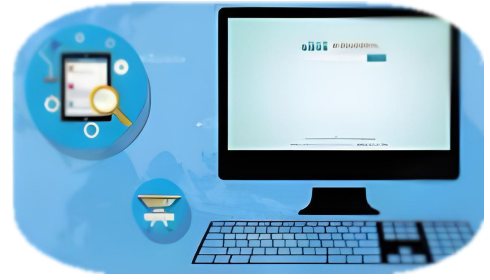
Remote maintenance



5. Traceability management

Build enterprise product quality file

Realize product quality tracking
Grading management function



Parameters:

Item	Parameters	
	HSL1-256	HSL2-512
Model No.	HSL1-256	HSL2-512
Power(kW)	5.5KW	7.5KW
Voltage(V)	220 (50Hz)	220 (50Hz)
Dimension(L*W*H,mm)	4288×2320×1700	4288×2320×2400
Weight(kg)	1200	1800
Air Pressure(MPa)	0.6-0.8	0.6-0.8
Number of Nozzles	256	512
Sorting Accuracy (%)	>99%	>99%

Note: The performance parameters take the raw material containing impurities less than 5%, which has been deash as an example, the actual index varies with the size of the material containing different impurities.

Scope Of Application



Recycling Industry



Mining Industry



Agricultural And Food Industry



Other Industry

Sorting Instance



Main Product 2: Vision Counter (Completed Packaging Solution)

With professional optimization algorithm and unique control technology, Henning Saint can design special counting equipment or modules for different customers with different precision requirements, Through computer image processing to achieve high-precision counting, helping customers to create packaging automation and achieve low-cost, high-efficiency production. Henning Saint visual counters break the bottleneck of manual counting and weighing, ensuring accurate counting while avoiding the scratches or contamination that manual counting can cause. The equipment is widely used in hardware, fasteners, electronic parts, plastic parts and other industrial industries, agricultural seed industry, pharmaceutical and food industry customers for accurate high-speed counting of particles urgent needs.



HS-VB60 packaging solution



HS-VC303 packaging solution

Feature

1. High accuracy of counting

High speed array camera(scanning frequency at 10,000 times per minutes,six million pixels optical lens with minimum recognition size of 0.2mm, can realize continuous uninterrupted scanning)scanning imaging,accurate identification count. Advanced large capacity FPGA processing and control system,response time at 1 nanosecond.

Optimized algorithm software effectively identifies overlapping objects and micro impurity.

Coarse control panel + refined panel with 2-3 level vibration structure, composition intelligent feeding system to ensure the subcontracting accuracy.

Insensitive to dust.

2. High efficiency of counting

Vision counter uses large track and scan falling objects, instead of using several narrow tracks to separate objects one by one.

Cache storage room to improve efficiency. After the A storage room reaches the set value, drop to the B storage room to wait for replenish material, also the next pack starts counting down to the A storage room, so circulating.

3. One machine can count N kinds of materials, has strong compatibility.

The system can store N kinds of schemes, which can be called directly next time.

4. Self-learning function, reduce the parameter debugging time

Through the learning mode, the data of various falling posture of the materials are automatically obtained, and the accuracy of the parameters is checked by the verification mode. If there is an error, the parameters can be fine-adjusted manually.

5. With the function of one-key cleaning of tailings, there is no worry about mixing.

When replacing materials, you can click to clean the tailings to perform automatic cleaning, or you can set a mandatory cleaning time to avoid artificially shortening the cleaning time and causing the material mixing

6. All production packaging information automatically generates local logs.

Each package of material packaging information is automatically generated and stored in the local log, and can be uploaded to the ERP system, or exported, for easy future tracing.

7. The ERP information cascade, label information and local log can be sent to the information system.

Label information can be transmitted through enterprise management systems such as ERP, and equipment operation status and each package information are available uploaded to ERP and other enterprise management systems.

8. All packaging number has no negative error, exceed the package can enter the return system.

Eliminate the occurrence of customer complaints caused by less material reasons, beyond the value set, the machine can automatically identify and fall to finished conveyor belt, the belt reverses to discharge the excess bag.

9. Intelligent detection alarm

Foreign bodies, lack of material, abnormal packaging machine will issue an alarm prompt.

Scope Of Application



Agricultural Industry



Food Industry



Industrial Industry



Pharmaceutical Industry

Package Demo



200 pcs/bag



1000 pcs/bag



500 pcs/bag



50粒/包



100 pcs/bottle



100 pcs/bag



500 pcs/bag

