

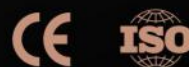
SHARE CHINESE
INTELLIGENT MANUFACTURING
共享中国造

郑州嘉萃机械设备有限公司
Zhengzhou Jiacui Machinery Equipment Co., Ltd.

河南省·郑州市高新区河阳路186号紫荆网络科技园20号楼北门
North Gate, Building 20, Zijing Network Science Park, No.186 Heyang
Road, High-tech Zone, Zhengzhou, Henan, China

TEL: +86-0371-63631669 E-mail: sales@jiacuiworld.com
www.jiacuiworld.com

认证 Certifications



EXPERT IN
COMPLETE
EQUIPMENT AND
TECHNICAL
SOLUTIONS

成套设备 及技术解决方案专家

 **JIACUI**

ABOUT US



Zhengzhou Jiacui Machinery Equipment Co., Ltd. is a modern technology-based enterprise integrating R&D, production, sales and service. With the mission of "intelligent equipment empowering global industry", the company has been deeply involved in the field of high-end machinery and equipment, forming a diversified product matrix dominated by centrifugal extractors, color sorters, and industrial dry ice cleaning machines, and supporting precision parts processing. Relying on the industrial layout of the four major production bases in Zhengzhou, Dongguan, Hefei, and Xingtai, the company integrates 20 years of industry-precision R&D experience and manufacturing processes to build a full-chain operation system covering "technology R&D - precision production - global sales - professional services".

The company has established a R&D team led by more than 30 senior engineers, with an average annual R&D investment of 12%. It has obtained 21 national patents and led or participated in the formulation of 3 industry standards. Relying on the localized operation of the overseas sales service team, the products have been exported to more than 50 countries and regions including East Asia, Southeast Asia, South Asia, Central Asia, West Asia, Europe, Africa, and the Americas, gradually achieving global market coverage. The company is taking "intelligence, internationalization, and service" as its strategic direction, and plans to invest in the construction of an industrial Internet platform in the next three years to achieve remote operation and maintenance of equipment and real-time monitoring of production data; at the same time, it will layout emerging markets such as the Middle East and South America.

Zhengzhou Jiacui Machinery has always taken "becoming a global leader in intelligent equipment solutions" as its vision, and sincerely invites global partners to explore opportunities for industrial upgrading, empower industry with technology, and define the future with innovation.



EQUIPMENT EXPERTS

20+ years of rich experience precipitation
20多年丰富的经验沉淀



20

More than 10 patented technology
10多项专利技术



10

More than 20 sets of high-end machining equipment
20多台套高端加工设备



20+

Employees of the whole industry chain
全产业链员工百余人



100

Core Technology



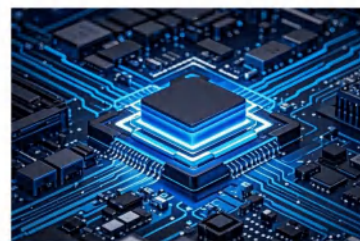
AI deep learning

Automatic identification of good and defective products through the software system
Automatically record good and defective information



APP remote control

Wifi Remote Control Debugging and detecting materials with remote operation.
Original 90 groups of material color selection parameter memory function



Smart system

Multi-megapixel high-resolution color CCD
Full color image sensor
Identify 0.01mm spots



Image processing system

Altera chips imported from the United States

The industry's unique light-color sorting mode has good color sorting effects for light yellow, diseased, dark rice, and black rice in high-end color sorting requirements. The first-time carry-out ratio can reach more than 1:1, and the second-time carry-out ratio can reach more than 15:1. The original color sorting + shape sorting mode can achieve the separation of white rice and broken rice.

Image acquisition system

Japanese imported camera Toshiba

The internationally advanced industrial-grade 5400*12K full-color high-speed line scanning imaging CCD sensor and the internationally top color sorting lens can accurately identify tiny disease spots of 0.03mm², meeting the high-end requirements of simultaneous and separate sorting of belly white, light yellow, and dark rice.

High-end solenoid valve

Less gas consumption, large removal force

Shape recognition technology, center positioning algorithm and ultra-highfrequency solenoid valve perfect combination, accurate elimination,bring out worry! [bring out can be better than 120:1] .Unique solenoid valve control technology and large capacity SOC system perfect fit, solenoid valve stable and continuous operation, service lifeup to12 billion times!1 billion high-frequency high-quality imported injectors.



Intelligent dust cleaning system

It means you can set cleaning time andperiod according to your need.Durable 304 anti-rust food safetystandard aluminum alloy cylinder.Automatic glass cleaning system.



Sorting material:



Rice



Corn



Wheat



Seeds



Cashews



Macadamia



Peanut



Nuts



Waste plastic



Cocoa beans



Glass



Gum Arabic



Garlic



Coffee bean



Bean



Tea

Half channel



CS-HA32 small machine

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	0.7kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥0.2
Dimensions (width*length*height/mm)	450*1100*1500
Weight (KG)	105
Number of air holes	32
Processing capacity (T/H)	0.25

1 channel



CS-1A64 one channel

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	1kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥0.4
Dimensions (width*length*height/mm)	800*1260*1550
Weight (KG)	157
Number of air holes	64
Processing capacity (T/H)	0.8-1.5

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.

1 channel

With check function



CS-1A80 One channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	1.5kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥0.6
Dimensions (width*length*height/mm)	820*1720*1550
Weight (KG)	189
Number of air holes	80
Processing capacity (T/H)	0.8-1.5

2 channels



CS-2A128 Two channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	1.8kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥0.8
Dimensions (width*length*height/mm)	1152*1697*1708
Weight (KG)	290
Number of air holes	128
Processing capacity (T/H)	1.2-2.5

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.

3 channel



CS-3A Three channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	2.6kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥1.2
Dimensions (width*length*height/mm)	1620*1490*1690
Weight (KG)	640
Number of air holes	192
Processing capacity (T/H)	2.5-4

4 channels



CS-4A Four channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	3.2kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥1.6
Dimensions (width*length*height/mm)	1940*1490*1690
Weight (KG)	780
Number of air holes	256
Processing capacity (T/H)	3-5.5

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.

5 channel



CS-5A Five channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	4kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥ 2
Dimensions (width*length*height/mm)	2260*1490*1690
Weight (KG)	920
Number of air holes	320
Processing capacity (T/H)	4-8

6 channel



CS-6A Six channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	5.6kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	≥ 2.4
Dimensions (width*length*height/mm)	2580*1490*1690
Weight (KG)	1060
Number of air holes	384
Processing capacity (T/H)	5-10

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.

7 channel



CS-7A Seven channels

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	5.6kw
Air source pressure (Mpa)	0.6-0.8
Air source consumption (m³/min)	2.8
Dimensions (width*length*height/mm)	2800*1490*1690
Weight (KG)	1100
Number of air holes	448
Processing capacity (T/H)	6-12

Mini voice control type intelligent



CS-QB16

1/4 channel Mini voice type intelligent

Structural form	Chute Type
Color sorting accuracy	≥99%
Voltage frequency	220V/50Hz
Power (KW)	0.2kw
Air source pressure (Mpa)	0.6-0.8
Take-out ratio	30:1
Dimensions (width*length*height/mm)	330*700*1000
Weight (KG)	35
Number of air holes	16
Processing capacity (kg)	20-100Kg

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.

Core Technology



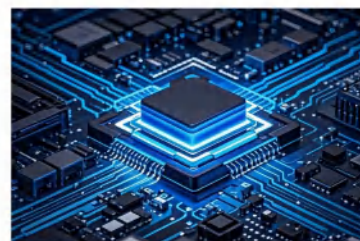
AI deep learning

Automatic identification of good and defective products through the software system
Automatically record good and defective information



APP remote control

Wifi Remote Control Debugging and detecting materials with remote operation.
Original 90 groups of material color selection parameter memory function



Smart system

Multi-megapixel high-resolution color CCD
Full color image sensor
Identify 0.01mm spots



Image processing system

Altera chips imported from the United States

The industry's unique light-color sorting mode has good color sorting effects for light yellow, diseased, dark rice, and black rice in high-end color sorting requirements. The first-time carry-out ratio can reach more than 1:1, and the second-time carry-out ratio can reach more than 15:1. The original color sorting + shape sorting mode can achieve the separation of white rice and broken rice.

Image acquisition system

Japanese imported camera Toshiba

The internationally advanced industrial-grade 5400*12K full-color high-speed line scanning imaging CCD sensor and the internationally top color sorting lens can accurately identify tiny disease spots of 0.03mm², meeting the high-end requirements of simultaneous and separate sorting of belly white, light yellow, and dark rice.

High-end solenoid valve

Less gas consumption, large removal force

Shape recognition technology, center positioning algorithm and ultra-highfrequency solenoid valve perfect combination, accurate elimination,bring out worry! [bring out can be better than 120:1].Unique solenoid valve control technology and large capacity SOC system perfect fit, solenoid valve stable and continuous operation, service lifeup to12 billion times!1 billion high-frequency high-quality imported injectors.



Internationally renowned brand bearings

NSK BEARINGS

Track bearings are components that work for a long time and bear loads. We use bearings imported from Japan to extend the service life of the machine.Deep-groove geometry for high speeds and supporting both radial and axial loads.Pressed steel cage evenly spaces the balls for even load distribution and prevents contact to reduce friction, vibrations, and noise



Sorting material:



Crawler Single Layer

30cm*2



CS-LA300 ore color sorter

Structure	Crawler
Layer	Single Layer
Processing capacity (T/H)	5-15mm 1.2-1.8T/H, 15-30mm 1.5-2.5T/H 30-50mm 2-3T/H
Carryover Ratio(Bad/Good)	≥20:1
Accuracy(%)	≥99%
Voltage/Frequency(V/Hz)	220V/50Hz
Power(KW)	1.75Kw/H
Air Pressure(Mpa)	0.6-0.8
Air source consumption (m³/min)	≥1
Weight (KG)	550KG
Dimensions (length*width*height/mm)	1100*2430*1200
Number of air holes	64
Track width	30cm*2

Crawler Single Layer

60cm*2



CS-LA600 ore color sorter

Structure	Crawler
Layer	Single Layer
Processing capacity (T/H)	5-15mm 2.5-3.5T/H, 15-30mm 3-5T/H 30-50mm 4-6T/H
Carryover Ratio(Bad/Good)	≥20:1
Accuracy(%)	≥99%
Voltage/Frequency(V/Hz)	220V/50Hz
Power(KW)	2.5Kw/H
Air Pressure(Mpa)	0.6-0.8
Air source consumption (m³/min)	≥2
Weight (KG)	750KG
Dimensions (length*width*height/mm)	1400*2430*1200
Number of air holes	128
Track width	60cm*2

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.

Crawler Single Layer

120cm*2



CS-LA1200 ore color sorter

Structure	Crawler
Layer	Single Layer
Processing capacity (T/H)	5-15mm 5-7 T/H; 15-30mm 6-10 T/H; 30-50mm 8-12 T/H
Carryover Ratio(Bad/Good)	≥20:1
Accuracy(%)	≥99%
Voltage/Frequency(V/Hz)	220V/50Hz
Power(KW)	6Kw/H
Air Pressure(Mpa)	0.6-0.8
Air source consumption (m³/min)	≥4
Weight (KG)	1150KG
Dimensions (length*width*height/mm)	2430*2000*1198
Number of air holes	256
Track width	120cm*2

Crawler 2 Layer

120cm*2



Can color sort 2 kinds of materials at the same time

CS-LA1200D ore color sorter

Structure	Crawler
Layer	Double Layer
Processing capacity (T/H)	5-15mm 5-7 T/H; 15-30mm 6-10 T/H; 30-50mm 8-12 T/H
Carryover Ratio(Bad/Good)	≥20:1
Accuracy(%)	≥99%
Voltage/Frequency(V/Hz)	220V/50Hz
Power(KW)	9Kw/H
Air Pressure(Mpa)	0.6-0.8
Air source consumption (m³/min)	≥8
Weight (KG)	2300KG
Dimensions (length*width*height/mm)	2810*2000*2088
Number of air holes	512
Track width	120cm*2

Note: The above color sorting parameters are based on polished japonica rice with 2% impurity content. The specific parameters vary due to different materials and impurity content. If there is any update to the product, no further notice will be given. The actual product shall prevail.