RICE CLOUD QUALITY SORTING SOLUTIONS

New Era of AI Quality Sorting

Comprehensive Upgrade

ANYSORT ®

JXO

ANYSORT ®

Quality Sorting Strategy Upgrade

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Jiexun Quality Sorting

One Sorter Equals

Two Sorters

New Solutions of Jiexun Rice Cloud Quality Sorting

To provide more professional and

reliable rice sorting solutions for high quality customers.

PLOV Platform 2.0

Ensure that the materials in the channel are evenly laid without stacking during high-speed falling of sorted materials.

AI large model in sorting industry and super computing power platform
Intelligent dynamic adaptive sorting of materials
Artificial intelligence leaps from image recognition to understanding and judgment levels.
Building a qualitative universe where「everything can be sorted」.

AI large model of sorting industry is a leap from artificial intelligence
「recognition」to「understanding」.

AI Quality Sorting
Large Model

Intelligent Control System

Closed loop control system for production line, efficient linkage
Leading the era of unmanned 3.0 intelligent factories

Hawkeye Camera Technology 3.0

Bionic hawkeye recognition technology 3.0
High speed dynamic recognition

Independent Environmental Purification Technology

Independent environmental purification technology ensures that the sorting accuracy is not affected by factors such as dust during the production and processing.

MPF Multi-pixel Fusion Technology

Based on the characteristics of infrared spectra of different substances, different substances are essentially distinguished.

PRO Series Rice Cloud Quality Sorter

Innovative Quality Sorting Products Focusing on the Entire Process of Rice Processing

The PRO series rice cloud quality sorter is a leading new product in the field of AI intelligent sorting. It integrates Jiexun latest quality sorting technology and AI quality sorting platform to control the whole process of rice processing and achieve「segment control and segment safety」.

PRO Series Rice Cloud Quality Sorter

Better Identification

Hawkeye technology 3.0 achieves a clearer and more stable imaging effect at high speed. High capacity and high speed sorting with a precision of 0.0004mm³

Complete System Impurity Removal

MPF multi-pixel fusion technology fully realizes the removal of most impurities and foreign objects in the whole process of rice processing with 「segment control and segment safety」.

Deeper Understanding

Jiexun advanced AI quality sorting large model, continuous deep self-learning and developing Intelligent adjustment of sorting parameters adapts to various of rice sorting demands.

One Machine with Multiple Functions

Equipped with the newly upgraded PLOV platform 2.0, it fully covers brown rice and paddy sorting, embryo rice sorting, dark yellow and light yellow rice sorting, chalky rice sorting, variety sorting, broken and whole rice sorting, and impurity sorting.

PRODUCT PARAMETERS

Model	Throughput (t/h)	Accuracy (%)	Carryover Ratio	Power (kw)	Power Supply (V/Hz)	Dimension (L*W*H mm)	Weight (kg)
SC3 PRO	2.5-12	≥99.99	>100:1	1.7	220/50	1870*1690*2194	1170
SC5 PRO	3.5-17	≥99.99	>100:1	2.6	220/50	2550*1690*2194	1640
SC7 PRO	6-24	≥99.99	>100:1	3.5	220/50	3230*1690*2194	2100
SC8 PRO	6-28	≥99.99	>100:1	3.9	220/50	3570*1690*2194	2310
SC10 PRO	8-35	≥99.99	>100:1	5	220/50	4150*1690*2194	2760
SC12 PRO	13-42	≥99.99	>100:1	5.9	220/50	4830*1690*2194	3220
SE3 PRO	2.5-10	≥99.99	>100:1	2.4	220/50	1870*1690*2194	1198
SE5 PRO	3.5-17	≥99.99	>100:1	3.3	220/50	2550*1690*2194	1680
SE7 PRO	6-24	≥99.99	>100:1	4.5	220/50	3230*1690*2194	2210
SE8 PRO	6-28	≥99.99	>100:1	4.9	220/50	3570*1690*2194	2410
SE10 PRO	8-35	≥99.99	>100:1	6	220/50	4150*1690*2194	2870
SE12 PRO	13-42	≥99.99	>100:1	6.9	220/50	4830*1690*2194	3350

PLUS Series Rice Cloud Quality Sorter

One Quality Sorter with Small Volume and Large Output Equals Two Sorters

PLUS series rice cloud quality sorter, equipped with PLOV platform, 「piercing eyes」 AI technology, and VNIR deep fusion perception technology, realizes the recognition system that integrates color, shape, and material, and leads the revolution of quality sorting technology.

PLUS Series Rice Cloud Quality Sorter

Smaller Volume Higher Accuracy Larger Output

PLUS quality sorter achieves dynamic balance between large output and high quality.

Single chute production increased by 50%, total output exceeding 40t/h

Reduced processing losses and lower production line renovation costs

PRODUCT PARAMETERS

Model	Throughput (t/h)	Accuracy (%)	Carryover Ratio	Power (kw)	Power Supply (V/Hz)	Dimension (L*W*H mm)	Weight (kg)
SC3 PLUS	2.5-12	≥99.99	> 100:1	1.7	220/50	1870*1690*2194	1170
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SE8 PLUS	6-28	≥99.99	> 100:1	4.9	220/50	3570*1690*2194	2410
SE10 PLUS	8-35	≥99.99	> 100:1	6	220/50	4150*1690*2194	2870
SE12 PLUS	13-42	≥99.99	> 100:1	6.9	220/50	4830*1690*2194	3350

SC Rice Cloud Quality Sorter

The integration of color sorting, shape sorting, and material sorting accurately solves the problems of rice color, shape, and non rice malignant impurities such as various glass, desiccants, and same color rice-sized stones, etc.

EC Rice Cloud Quality Sorter

The perfect integration of hawkeye recognition, intelligent perception technology, and three-dimensional perception, creates a digital and intelligent unmanned factory.

PRODUCT PARAMETERS

Model	Throughput (t/h)	Accuracy (%)	Carryover Ratio	Power (kw)	Power Supply (V/Hz)	Dimension (L*W*H mm)	Weight (kg)
SC192	2-10	≥99.99	> 100:1	1.3	220/50	1870*1690*2194	1170
SC320	3-15	≥99.99	> 100:1	2.1	220/50	2550*1671*2194	1560
SC448	5-21	≥99.99	> 100:1	2.9	220/50	3230*1690*2194	1930
SC512	5-24	≥99.99	> 100:1	3.4	220/50	3570*1690*2194	2230
SC640	7-30	≥99.99	> 100:1	4.2	220/50	4100*1671*2194	2950
SC768	11-36	≥99.99	> 100:1	4.9	220/50	4640*1671*2194	3350
EC192	2-10	≥99.99	> 100:1	1.3	220/50	1870*1616*1864	1198
EC320	3-15	≥99.99	> 100:1	2.1	220/50	2550*1616*1864	1210
EC448	5-21	≥99.99	> 100:1	2.9	220/50	3230*1616*1864	
EC512	5-24	≥99.99	> 100:1	3.4	220/50	3570*1616*1864	1760
EC640	7-30	≥99.99	> 100:1	4.2	220/50	4150*1616*1864	
EC768	11-36	≥99.99	> 100:1	4.9	220/50	4830*1616*1864	2570

Closed Loop Production Line
Intelligent Control Future

2-3min
dynamic loop detection

10kg-20kg
more accurate in large sample detection

30+ items
full index detection

S+ 分析仪
S+ ANALYSER

S+ Analyzer

Full Index Detection Scenario

broken rice rate large broken rate、small broken rate | **yellow rice rate**
bran retention rate | **embryo retention rate** | **spot rate** | **mixing rate**
chalkiness rate heavy chalkiness rate **chalkiness degree**

Model	Power (kw)	Power Supply (V/Hz)	Weight (kg)	Dimension (L*W*H mm)
S+	0.5	220/50	230	1160*580*680

The design of a multi scenario sorting and supplementary application scheme for final good rice before going to storage bin and after delivering from storage bin is perfectly compatible with various intelligent processing equipment such as cloud quality sorter for shape and broken rice sorting, intelligent length grader, intelligent rice grader, and intelligent rice batcher. All things are connected by intelligence and you can do whatever you want.
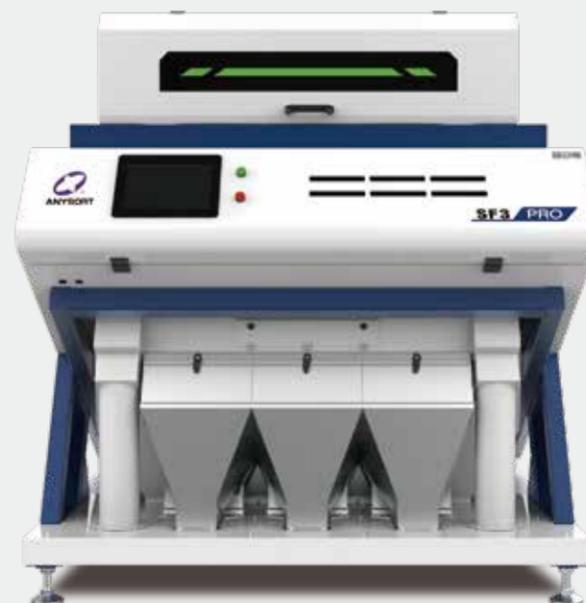
Cloud Quality Sorting Solutions

Brown Rice And Paddy Quality Sorting Improving Quality and Reducing Breakage

white paddy   paddy   rice smut   spotted brown rice   grass seed   plasmid green paddy   red brown rice   pure brown rice

Reduce the brown rice breakage rate to **≤2%**

Increase rice yield by **≥3%**

Increase production **≥5%**

SF 3 PRO Cloud Quality Sorter

Jiexun SF PRO brown rice and paddy sorting process is the industry's first for sorting paddy which will return to husker. Based on the PRO platform, achieving dual improvements in sorting accuracy and output. Truly achieved grain saving, loss reduction, quality improvement, and efficiency enhancement in the husking section.

Precise Quality Sorting to Improve Quality and Efficiency

SC PRO series quality sorter can efficiently sort rice with bran, line, and embryo, protect discolored and various imperfect rice to ensure the accuracy of white rice, and achieve moderate processing with less and light milling.

rice with bran   rice with line   rice with embryo

96% embryo rice sorting accuracy

Embryo Rice Sorting Accuracy Higher Than Industry Standard Comprehensively Improving the Edible Value of Rice

Jiexun SC PRO quality sorting solution can perfectly achieve high-precision sorting in embryo rice, with a high embryo retention rate of 96% .

Data source: Jiexun R&D Center Laboratory

SC 10 PRO Cloud Quality Sorter

Cloud Quality Sorting Solutions

Expert in 「Yellow」Reject

Guard in 「White」Protection

- Dark yellow and light yellow rice、yellow and black rice、yellow rice and paddy、yellow and chalky rice sorting and separation
- Reject yellow rice and protect white rice
- Rejection of non rice impurities such as glass, plastic, etc

final good product   spotted rice   yellow long-grained rice

Single chute production increased by

50%

Total output exceeding

40t/h

SC 7 PRO Quality Sorter

Specilized 「Chalky」Reject

Clear Separation

- Heavy chalky and light chalky rice sorting and separation
- Uniform broken chalky and fully chalky rice sorting
- Different degree of chalkiness rice sorting and separation

final good product   chalky round-grained rice   round-grained rice   chalky long-grained rice

ANYSORT

Cloud Quality Sorting Solutions

Mixed Varieties Separate

Whole and Broken Rice Distinctly Separate

High dimensional three-dimensional holographic perception of material shape characteristics and intelligent recognition of subtle shape differences in materials, realize perfectly yellow and broken rice separation, chalky and broken rice separation, yellow, chalky and broken rice sorting and separation, long-grained rice separation, round-grained rice separation, long-grained and round-grained rice separation, etc.
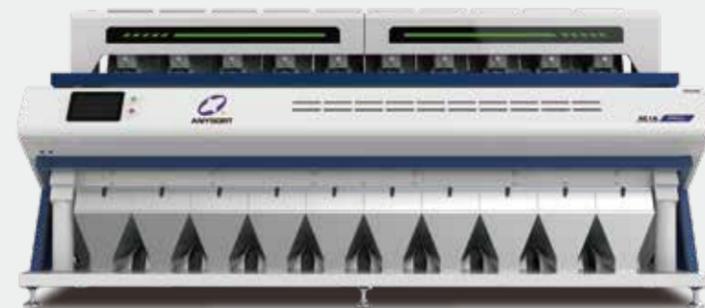
Easily handle mixed varieties sorting, precise separation among long-grained rice and round-grained rice.

high quality rice	hybrid rice	Akita Komachi	Zhongke Fa 5

Skilled control of broken rice index, flexible control of 30% to 3% broken rice index
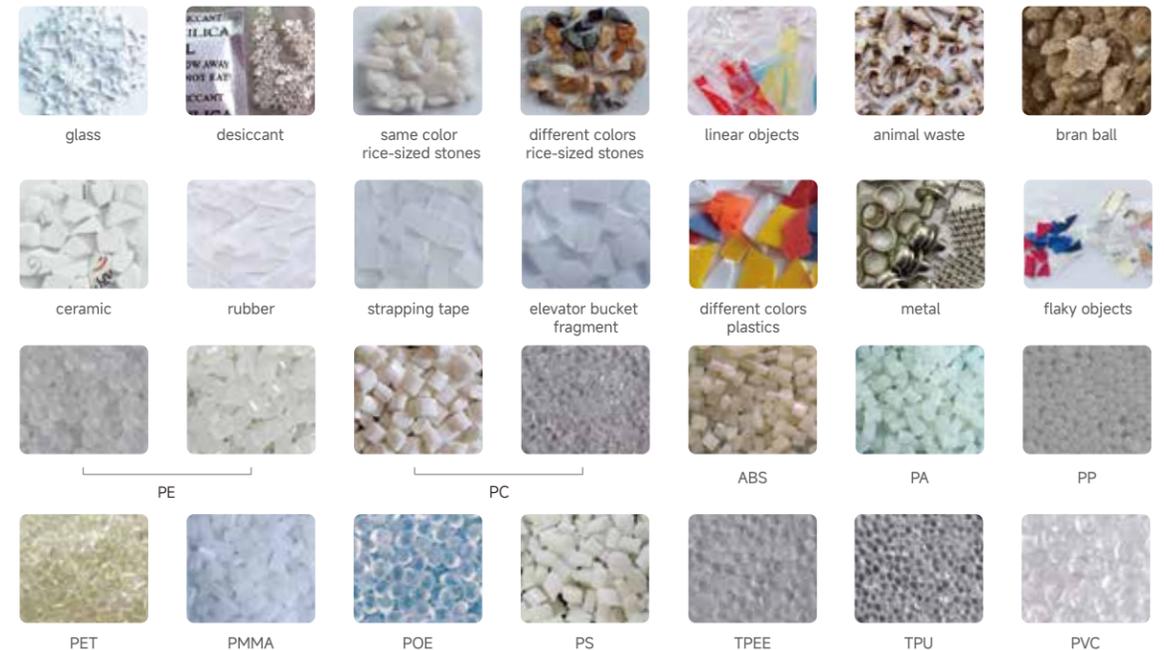
round-grained rice - broken rice	long-grained rice - broken rice

Impurities Removal and One Pass

Cleaning Before Delivery

AI+ Infrared

AI technology and VNIR deep fusion perception technology realize the recognition system that integrates color, shape, and material, redefine sorting and lead the revolution of quality sorting technology.

glass	desiccant	same color rice-sized stones	different colors rice-sized stones	linear objects	animal waste	bran ball
ceramic	rubber	strapping tape	elevator bucket fragment	different colors plastics	metal	flaky objects
PE		PC		ABS	PA	PP
PET	PMMA	POE	PS	TPEE	TPU	PVC

- Due to the wide variety and diverse forms of non rice substances, some of the cases listed above. For more comprehensive quality sorting solutions and performance indicators, please consult local sales personnel.

Our Customers

Happy Partners, Grow Together with High-quality Customers

Cooperation & Negotiation
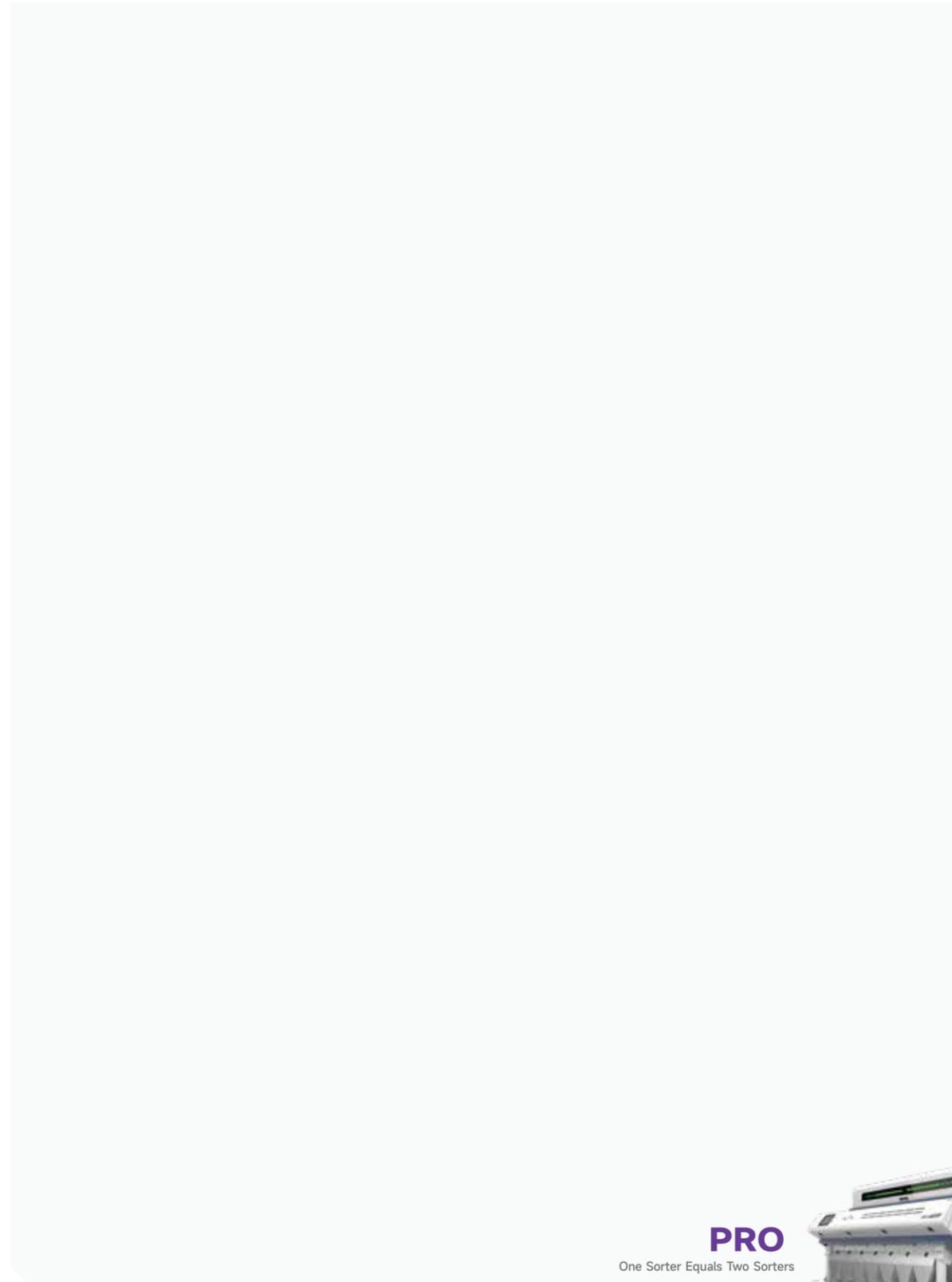
Industry Advantage
Leading brand in the intelligent recognition equipment industry

Production Advantage
Jiexun Optoelectronic is a modern high-tech enterprise specializing in the research and development, production, and sales of high-end quality sorters.

Technological Advantage
High-end equipment in a leading position in the industry

Research and Development Advantage
Jiexun Optoelectronic is a national enterprise technology center and a postdoctoral research workstation.

Cultural Advantage
Adhering to the original aspiration of "Let the whole world enjoy the best quality food" for more than 20 years

Service Advantage
7*24 hours after-sales service all over the world
Support for remote services

PRO
One Sorter Equals Two Sorters

JIEXUN VISION

LET THE WHOLE WORLD ENJOY THE BEST QUALITY FOOD.