

UNIQUE COLOR SORTER



NEW IMAGE NEW VISION

High Quality Ejector / High-end LED Light System / Perfect Machine Performance



Unique CCD Recognition, Higher Sorting Accuracy



US Innovation

• Better sorting • Better food • Better Business



Assured sorting
Performance



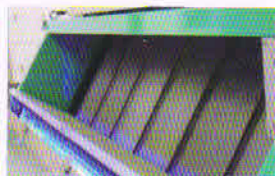
Best in industry
Service Network



Higher Machine up time &
Lesser maintenance

INTELLIGENT CCD COLOR SORTER

TECHNICAL CHARACTERISTICS



► HIGH RELIABILITY

- The mechanical structure is designed for reliability and stability.
- Introducing a cooling system to improve the service life and stability of the machine.
- The electrical and optical design system is meant for simplicity and efficiency, this optimized system reduces the complexity of the machine and improves its reliability.



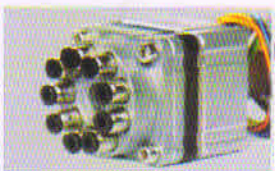
► ADVANCED CAMERA IMAGE ACQUISITION SYSTEM

- Use of 2048 pixel high speed, high resolution linear CCD camera and high-precision dedicated lens to receive image, enable distinguishing the hetero-chromatic defects upto 0.04mm² accurately.
- Use of imported LED light source with adjustable illumination ensures higher brightness, longer service life, more stability and better performance.



► INTELLIGENT IMAGE PROCESSING ALGORITHMS

- Our patented intelligent image processing algorithms processes large region light yellow and tiny spots, needle-size black specks etc. effectively and efficiently to improve sorting accuracy.



► HIGH QUALITY EJECTORS

- High quality, high frequency, long service life ejectors from Italy with super low air consumption guarantees consistent performance ensuring highest capacity and excellent rejection output.



► EXCELLENT ELIMINATION RATE(CARRYOVER RATE 10:1)

- Advanced image acquisition system + intelligent USA based image processing algorithms + high quality nozzle system = excellent elimination rate.



► SIMPLE OPERATION, EASY TO LEARN AND USE

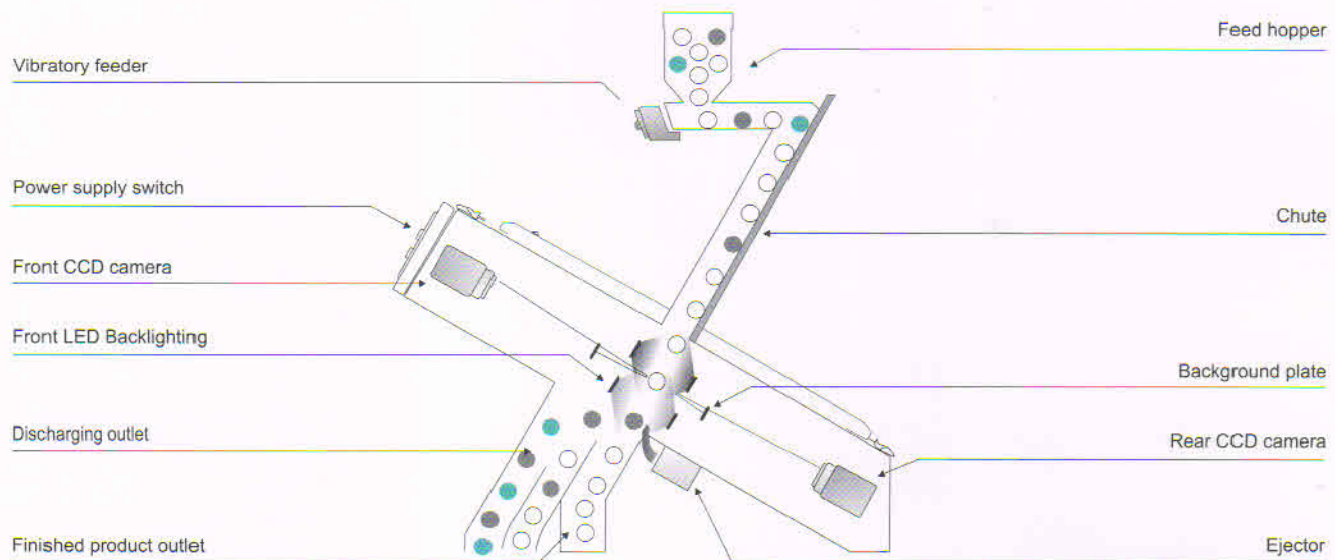
- Simple optical system design with optional auto - calibration, precise automatic correction system, combined with user friendly human - machine interface enables simple operation so that minimal skilled operator can operate the machine.



► FLEXIBLE MODE APPLICABLE TO A WIDE RANGE

- In view of different types of rice, our sorter can be configured in different operating modes, to achieve different types of sorting.

SCHEMATICS OF SORTING OPERATION



Technical Specifications

(MODEL)	6SXM- 144J UTS-2A	6SXM- 216J UTS-3A	6SXM- 288J UTS-4A	6SXM- 360J UTS-5A	6SXM- 432J UTS-6A	6SXM- 504J UTS-7A
(Product Output) (t/h)	1.5-3.5	2.5-6	3.5-9	4.5-11	6.5-13	7.5-14
(Sorting Accuracy)(%)	≥99.99	≥99.99	≥99.99	≥99.99	≥99.99	≥99.99
(Carryover Rate) (Bad:Good)	≥10:1	≥10.1	≥10.1	≥10.1	≥10.1	≥10.1
(Weight)(Kg)	670	820	970	1120	1270	1420
(Resolution)(mm²)	0.04	0.04	0.04	0.04	0.04	0.04
Power (kw)	1.4	1.8	2.2	2.6	3.0	4.5
Dimension LxWxH (mmxmmxmm)	1422x1600x2200	1736x1600x2200	2050x1600x2200	2225x1580x2120	2540x1590x2120	2950x1590x2120
(Power Supply)(V/Hz)	220/50(110/60)	220/50(110/60)	220/50(110/60)	220/50(110/60)	220/50(110/60)	220/50(110/60)

• UNIQUE SORTER is a global phenomenon in optical sorting. Its sorting accuracy gives the best yield and efficiency of any optical sorting system and even at the highest production capacities. It sorts a variety of commodities:

•RICE •PULSES •BEANS •NUTS •GRAINS •SEEDS •TEA •COFFEE •SPICES •DEHYDRATES •PLASTICS

• Specification may change without prior notice due to continuous research & development.



AFTER-SALES SERVICE

To be the best in Customer service is our top most priority and target.

We adhere to this core principal. We have experienced, dedicated and sensitive service team to understand our customer requirement and adept to provide solutions to them.

Along with our best-in-industry customer service we also provide professional training & technical guidance to the person related to machine at site.



Make Relations to Sustain them

Unique Solutions

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