



**Innovators in
Precision
Sorting
Solutions**



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Innovated Technology



High-Performance Cameras: Each chute is outfitted with four camera positions utilizing high-speed super high definition true color 5400*3CCD sensors. These cameras, supported by far infrared technology and imported high-capacity, high-speed image processing chips, ensure swift and precise defect detection even in complex environments.

Versatile Sorting: The system offers unparalleled versatility with the ability to save hundreds of sorting profiles, allowing for seamless sorting of various agricultural and sideline products. With a simple "one-button" operation, users can easily switch between profiles, unlocking limitless sorting possibilities.

Rapid Detection Rate: With computing powered by new-generation FPGA processing technology featuring ALTERA and TI high-performance chips, our system boasts a staggering detection rate of over 30,000 rice granules per second. This enables accurate identification and removal of a wide range of defects, guaranteeing superior sorting accuracy and processing capability.

Self-Developed Components: Featuring a self-developed spray valve with high-performance and rapid response to algorithm results, our system guarantees continuous operation with an unprecedented lifespan of over 12 billion cycles. Additionally, our newly designed super-width chutes and mechanical frame reconstruction enhance stability and throughput capacity.

Shadowless Cold Light Source: Our system incorporates an intelligent shadowless cold light source with automatic adjustable luminance, ensuring optimal visibility and precise detection. Utilizing orthogonal spectrum technology, the light source enhances image clarity and accuracy, making it ideal for detection purposes.

Intuitive Operation: The system is equipped with an overall large screen HD operation control panel with a 1080P super high-resolution display. Powered by a Linux operating system, the interface offers stability and user-friendliness, ensuring instant responsiveness in industrial environments.

With these cutting-edge features and technologies, our Intelligent Infrared Distinction System sets a new standard for sorting efficiency, accuracy, and reliability, empowering industries to achieve unparalleled quality control and productivity.

Specification Parameters

MODEL NO	1 Chute	2 Chute	3 Chute	4 Chute	5 Chute	6 Chute	7 Chute	8 Chute	10 Chute	12 Chute
EXECUTION UNITS	64	128	192	256	320	384	448	512	640	768
THROUGHPUT (KG/H)	1000-2500	1500-3500	2500-6500	3000-8500	4000-10000	5000-13000	5500-17500	6500-20000	8000-25000	10000-28000
SORTING ACCURACY (%)	>99.99	>99.99	>99.99	>99.99	>99.99	>99.99	>99.99	>99.99	>99.99	>99.99
OPTIMIZED CARRY OVER	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1
POWER (KW)	1.5	2.0	2.2	2.5	2.8	3.1	3.4	4.0	4.5	6.0
AIR PRESSURE (MPa)	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8	0.4~0.8
AIR CONSUMPTION (L/min)	500~1200	800~1800	1000~2500	1500~2800	1600~3500	1800~3800	2000~4200	2200~4500	2500~5200	2900~5800
WEIGHT (KG)	600	700	800	900	1200	1400	1600	1800	2100	2600
DIMENSION (L*W*H MM)	825*1590*1940	1136*1582*1880	1436*1582*1780	1736*1582*1780	2036*1582*1780	2336*1582*1780	2636*1582*1780	2936*1582*1780	3536*1582*1780	4136*1582*1780

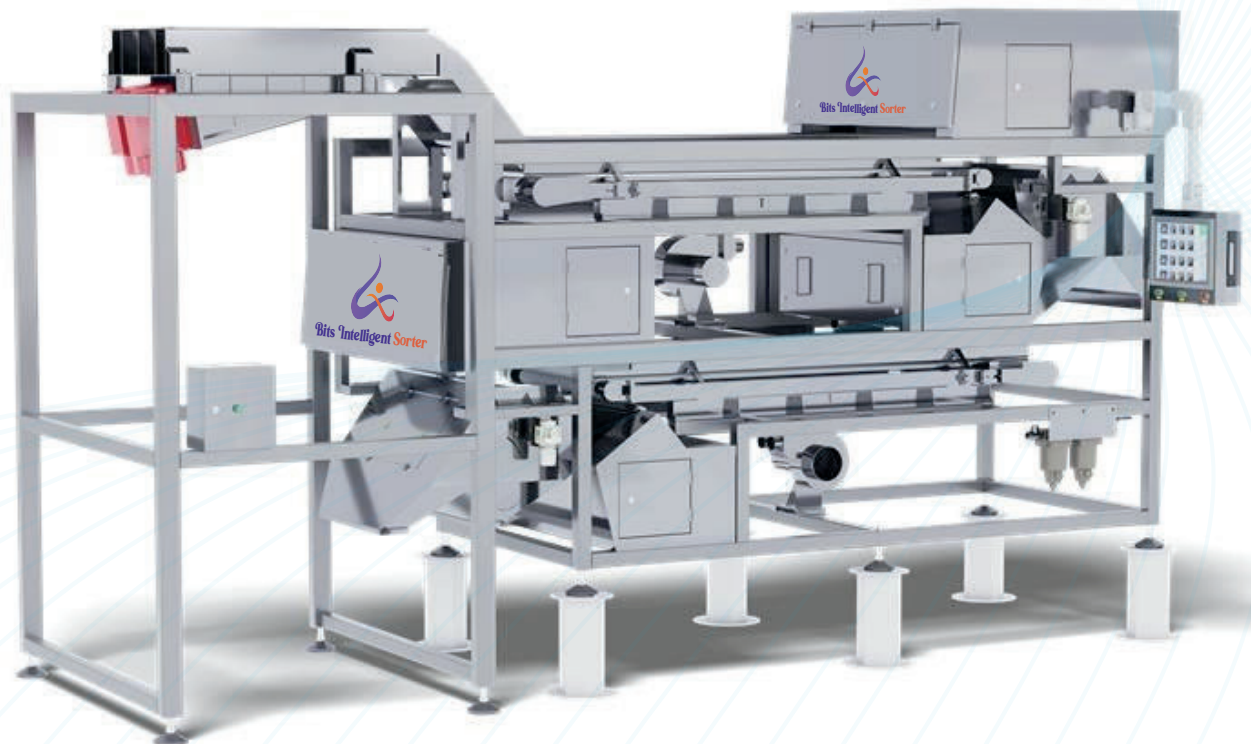
Note: The above parameters vary with types, shapes and grain sizes of raw materials and defect rate. Please choose accordingly. The above dimensions of the machine are only for reference, which are subject to change without notice, Kind prevail.

MultiPurpose Belt type Color Sorter

- A new generation of AI intelligent identification system to achieve intelligent sorting of complex materials.
- High brightness LED cold light source, shadowless lighting, to ensure a stable and durable lighting environment.
- According to the characteristics and needs of materials, special anti-crushing material hopper can be selected to reduce the crushing rate.
- The whole machine can be equipped with IP65/IP66 stainless steel waterproof and dustproof anti-corrosion body, widely used in seafood, condiments, medicinal materials, roasted nuts, dehydrated vegetables, frozen vegetables, etc.

Scope of Application

Seafood, Condiments, Medicinal Materials, Roasted Nuts , Dehydrated Vegetables, Frozen Vegetables, Scrap Metal, Plastic, Refractory Materials, Wood, Bath Salt, Etc.



Product Parameters

Model	Output (T/H)	Carryover Rate (Bad Good)	Accuracy (%)	Voltage	Power (KW)	Weight (KG)	Dimension (MM)
YD-300	0.8-1.5	10.1	>99.99%	220/50V	1-1.5	460	2650x1430x1390
YD-600	1-3	10.1	>99.99%	220/50V	1.5-2	560	2650x1730x1390
YD-1200	2-5	10.1	>99.99%	220/50V	2-5	860	2650x2330x1390
YD-600S	1-4	10.1	>99.99%	220/50V	2-4	1650	3370x1560x2000
YD-1200S	3-6	10.1	>99.99%	220/50V	3-6	2120	3370x2160x2000

Sorting Cases

Rice



RED RICE



BLACK RICE



ORGANIC RICE

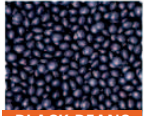
Beans



WHITE BEAN



RED BEANS



BLACK BEANS

Seasoning



CUMIN



PEPPER



GRASS FRUIT

Seed



CARROT SEEDS



FENNEL SEEDS



PEONY SEED

Grain



WHEAT



CORN



OATS

Industrial products & others



COPPER



ALUMINIUM



DESICCANT

Nuts/Seed kernel



PEANUT FRUIT



PEANUT KERNELS



SUNFLOWER SEED

Coarse cereals



CARDAMOM



CASHEW



RAISINS



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