ARTIFICIAL INTELLIGENCE COLOR SORTER MACHINES

RGB AI

Swan sorter Systems Pvt. Ltd

SWAN SORTER SYSTEMS PVT.LTD

ABOUT US

Innovation in the sorter industry **since 2014.** Swan Sorter Systems Pvt Ltd started with a vision of **R&D and manufacturing the best color sorter machines in India.**

VISION

We are committed to achieve new standards of excellence by providing superior sorter machines to our customers through the delivery, responsive, quality and services.

SWAN RGB AI

SWAN RGB AI product comes up with an industry trending of Artificial Intelligence (AI) technology, where the customers can seamlessly select any small region of a seed or grain from acquired image which eventually generates effective color parameters to produce accurate grain sorting.

A 5400-pixel high resolution camera is used by the Intelligent RGB color sorting machine, to acquire and compare color images from the selection feed. An intelligent picture processing algorithm provides stable, simplified outline and excellent consistency.

PRODUCT FEATURES:

◊ **RGB Camera** - RGB full color **Tri-Chromatic CCD** image acquisition system. 5400-pixel high resolution camera identifying tiny defects up to **0.02 mm²**

◊ **AI based image processing** algorithms enriches processing of data analysis, color, shape and size parameter data

◊ The U**HD Image capturing** RGB camera plays a vital role in this product to identify a material having **0.02mm² diameters.** This machine can identify and sort materials **precisely and improve sorting rate.**

◊ It has programmable and maintenance **free high power LED strips** for illumination with bright, accurate dimming and cold light source.

◊ **Ultra-High definition (UHD) Display** provides better resolution real time images helps to select minute regions effectively.

◊ It has **high stability, minimal air and power consumption intelligent,** magnetic control solenoid valve to work precise switching valves.

◊ It has **wide channel view chute** to increase sorting throughput and benefits customers on their sorting time.

◊ It has **high speed feeder system** with **2 tons per chute capacity per hour.**

◊ This machine has **durable and accurate air filters** to r**emove mist, oil, tiny particles etc**, which protects ejectors life.

TECHNICAL SPECIFICATIONS

Model	RGB AIM	RGB AI 1	RGB AI 2	RGB AI 3	RGB AI 4	RGB AI 5	RGB AI 6	RGB AI 7	RGB A1 8	RGB AI 10	RGB AI 12
Channels	32	64	128	192	256	320	384	448	512	640	768
Out put	200-1000	400-1500	800-3000	1200-4500	1600-6000	2000-7500	2200-9000	2600-10500	3000-12000	3400-13500	3600-15000
Accuracy	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%	≥ 99.99%
Carryout	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1
Voltage	230V	230V	230V	230V	230V	230V	230V	230V	230V	230V	230V
Pressure Bar	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6
Power kva	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5.5	6
Compressor Spec	5 HP	7.5HP	10HP	15HP	20HP	25HP	30HP	40HP	40HP	50HP	60HP
Dimension (W/L/ H)	401/ 1255 /1315	803/ 1675 /1500	1203/ 1660 /1725	1500/ 1660 /1725	1800/ 1660 /1725	2105/ 1660 /1725	2500/ 1660 /1725	2850/ 1660 /1725	3700/ 1660 /1725	4300/ 1660 /1725	5000/ 1660 /1725

Sorting performance varies depending on variety, condition of material and initial contaminations.

Note: The above mentioned dimensions and technical specifications are only approximate and are subjected to alterations.
Swan Sorter has reserved the rights to modify these specifications at any time without notice.

WHAT WE DO

GROUNDNUTS	CASHEW NUT	FRIED GRAM	URAD DAL	GREEN GRAM
CHANNA	RAISIN	TOOR DAAL	RICE	COFFEE BEANS
PEELED GARLIC	BLACK PEPPER	HORSEGRAM	RED BEANS	PLASTIC FLAKES

PEANUTS	MASOOR DAL	SESAME SEEDS	WHEAT	ALMONDS	TEA LEAVES	QUARTZ	MAIZE GRAINS

MATERIALS

Rice, Steam Rice, Boiled Rice, Toor Dal, Moong Dal, Masoor Dal, Chana Dal, Green Moong, Toor Whole, Urad Dal, Urad Dal Whole, Fried Gram, Gaur Gum, Poppy Seeds, Maize, Mustard, Pepper, Pie Nuts, Wheat, Tamarind Seeds, Watermelon Seeds, Sesame Seeds, Cashew Nuts, Dehydrated Onion, Dehydrated Garlic, Soya Bean, Chick Peas, Fenugreek Seeds, Horse Gram, Ground Nut, Coffee Beans, Almond Seeds, Tea Sorter, Cotton Seeds Sorter, Plastic Granules, Plastic Flakes, Quarts, Minerals, Coals etc.,

SERVICE AND SUPPORT

We offer a reliable maintenance and strong support system.

Online Support

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24/7 Telephonic Support

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