



• **Exceptional color sorter**





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Product Description

Sorting machineries

Company Established

Since 1994

Product Experience

17+ years

No of employees

More than 150

No of service stations

More than 20 service stations around the world

Certification

ISO 9001:2015

Corporate Philosophy

Our corporate philosophy establishes the fundamental principles of our management system.

Our worldwide operational and performance standards translate the corporate values into specific management expectations. We preserve a high level of business ethics characterized by integrity and honesty in all our business actions.

Corporate Values

GENN commits to:

- ♦ adopting high standards of ethics in all its business actions and Practices;
- ♦ providing its customers with high quality services, tailor-made to their needs and expectations;
- ♦ guaranteeing highly competitive services to our clients;
- ♦ engaging a highly skilled personnel supported by an effective;
- ♦ organizational structure;
- ♦ implementing an 'equal opportunities' and 'environmentally Friendly' policy;

The strength:

- ♦ We are absolutely customer oriented with having long term relationship with customers.
- ♦ Servicing them only in their interest is accepted as the corporate culture in our initiatives.
- ♦ The management team and also the employees are experienced in their area.
- ♦ Global thinking.

Company Strategy

Purpose : To be a leader in the sorting industry by providing enhanced services, relationship and profitability.

Vision : To provide quality services that exceeds the expectations of our esteemed customers.

Mission statement : To build long term relationships with our customers and clients and provide exceptional customer services by pursuing business through innovation and advanced technology.

Core values : We believe in treating our customers with respect and faith. We grow through creativity, invention and innovation. We integrate honesty, integrity and business ethics into all aspects of our business functioning.

Goals : Regional expansion in the field of service and develop a strong base of key customers. To build good reputation in the field of sorting and service and become a key player in the industry.



Almonds



Soya Beans



Betel



Cardamom



Cashew



Coffee



Coriander



Corn



Cumin



Chana



Black Sesame



Masoor



Moong



Roasted Chana



Toor



Urad



Garlic



Gum



Ragi



Bhagar



Mustard



Onion



Peanut



Pepper



Plastic



Poha



Poppy



Quartz



Raisin



Rice



Watermelon



Chilli



Fenugreek



Fenel



Tea



Wheat

And many more...

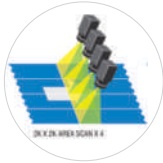
Sorting Solutions

Features



Spectral Vision Technology

Full color Spectral camera with high precision allows HD identification



Accurate Meticulous Scanning

Adopting Real color 16200 pixels linear CCD camera with 10 KHz scanning reach to distinguish 0.05mm object



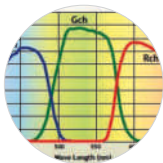
Industrial Prime Lens

Optimized Optical path design ensures the perfect image for various materials and different color requirements



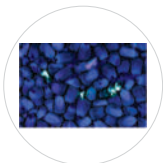
Integrated Coating Methodology

Super integrated coating provides exact difference between the materials



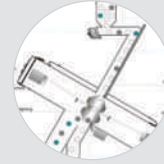
Spectrum Analysis Algorithm

Equipped special detection algorithm to ensure accurate assorting performance



Guarantee Sorting Accuracy

Branded FPGA with digital signal processing to guarantee sorting accuracy



Professional Ejector System

More speed solenoid valve gives low power consumption and longer service life



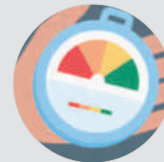
Reputed original Electromagnetic Valve

Branded high frequency electromagnetic valve allows for accurate controls of air flow and direction



Optimized Processing Capacity

Widened and internal structure optimization to improve sorting performance and throughput capacity



Delivers Best Carryover

Selectable target size delivers best carryover ratio and yield



Simple Sorting Control

Makes it easy for operator to achieve maximum sorting performance with minimum training



Grand effect Touch Panel

Indicates graphically necessary information, Visual evaluate effect for numerical settings adjustment



Anti-Interference Communication System

Adopts intelligent closed loop control ensures the reliability of data communication and strong Anti-Interference ability



Hyper Link System

You can remotely operate the machine from outside



Simplified GUI

Extremely simplified user interface has self developed delivers new experience



4G IOT Technology

IOT realizes real time on-line Operations, Monitor, Diagnosis, Services and Software Upgrades



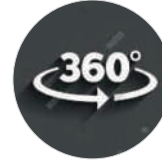
Rational LED Light Source

No blind angle increases the detection accuracy, High brightness & Low temperature rise longer service life



Ways for Various Demands

Customized light color solution according to different material



360 Degree Control

360 degree control to sort diverse materials



Excellent Filtrate Technology

Excellent technology to filtrate the dirty air with two steps



Dust Free Zone

Dust collecting zone delivers better machine working to improve productivity and stability



GENN added new Series RGB Color Sorter Machine utilizes High Definition full color 5400+Pixels CCD image sensor with the fourth generation FPGA and DSP image processing system, which sharply promoted processing speed, ensure the best output performance





This machine is equipped with the latest sorting systems. A full-color camera recognizes subtle differences in color, adding to food security and improving your grains appearance

Tertiary model Quaternary sorting model has been added to our optical sorter lineup. This new model further reduces the number of good grains in the rejection

 *Series*



Models

Models



The s-Series color sorter is based on new generation GENN Tri-chromatic Full color camera technology which enables it to see all the colors as near to human eye

s-Series also equipped with triple sorting and Quad sorting technology to finalize rejection in single sort





The high-quality world well-known accessories ensure the reliability and stability of the machine for long-term use and reduce maintenance costs

Stable performance, Competitive price and higher productivity

Multi - Parallel processing technology sharply promotes the processing speed

 *Series*

 *Series*



Models

Specifications

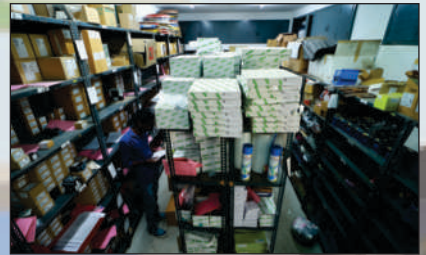
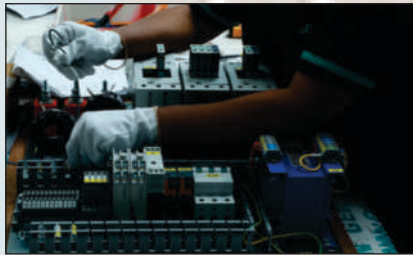
Product Series	Model	Power (KVa)	Supply Voltage (V)	Air Pressure (Bar)	Compressor (HP)	Size L x W x H (mm)	Weight (Kg)
e-Series	e072-140	3	220V/50Hz	0.25-6	15	1700 x 1350 x 1800	750
	e073-210	5	220V/50Hz	0.25-6	20	1700 x 1350 x 1800	750
	e074-280	6	220V/50Hz	0.25-6	25	1700 x 1350 x 1800	750
	e112-220	5	220V/50Hz	0.25-6	20	2500 x 1350 x 1800	1200
	e113-330	7	220V/50Hz	0.25-6	30	2500 x 1350 x 1800	1200
	e114-440	7	220V/50Hz	0.25-6	40	2500 x 1350 x 1800	1200
	e152-300	7	220V/50Hz	0.25-6	25	3600 x 1350 x 1800	1800
	e154-600	10	220V/50Hz	0.25-6	50	3600 x 1350 x 1800	1800
i-Series	i032-20	1	220V/50Hz	0.25-6	5	1100 x 1400 x 1800	200
	i032-40	1	220V/50Hz	0.25-6	5	1100 x 1400 x 1800	250
	i032-60	2	220V/50Hz	0.25-6	7.5	1100 x 1400 x 1800	300
	i034-40	1	220V/50Hz	0.25-6	5	1100 x 1400 x 1800	200
	i034-80	2	220V/50Hz	0.25-6	7.5	1100 x 1400 x 1800	250
	i034-120	2	220V/50Hz	0.25-6	10	1100 x 1400 x 1800	300
	i072-140	3	220V/50Hz	0.25-6	15	1700 x 1350 x 1800	750
	i074-280	6	220V/50Hz	0.25-6	25	1700 x 1350 x 1800	750
s-Series	s01-64	2	220V/50Hz	0.25-6	7.5	714 x 1650 x 2015	280
	s02-128	3	220V/50Hz	0.25-6	15	1038 x 1650 x 2015	560
	s03-192	5	220V/50Hz	0.25-6	20	1656 x 1650 x 1780	860
	s04-256	6	220V/50Hz	0.25-6	25	1656 x 1650 x 1780	860
	s05-320	6	220V/50Hz	0.25-6	30	2274 x 1650 x 1780	1040
	s06-384	7	220V/50Hz	0.25-6	35	2274 x 1650 x 1780	1140
	s07-448	7	220V/50Hz	0.25-6	40	2912 x 1650 x 1780	1440
	s08-512	8	220V/50Hz	0.25-6	45	2912 x 1650 x 1780	1540
	s09-576	9	220V/50Hz	0.25-6	50	3540 x 1650 x 1780	1720
	s10-640	10	220V/50Hz	0.25-6	55	3540 x 1650 x 1780	1820
x-Series	x1-64	1	220V/50Hz	0.25-6	5	875 x 1550 x 1320	270
	x2-128	1.5	220V/50Hz	0.25-6	10	1240 x 1710 x 1720	460
	x3-192	2	220V/50Hz	0.25-6	15	1555 x 1710 x 1720	650
	x4-256	2.5	220V/50Hz	0.25-6	20	1870 x 1710 x 1720	840
	x5-320	3	220V/50Hz	0.25-6	25	2185 x 1710 x 1720	1030
	x6-384	3.5	220V/50Hz	0.25-6	30	2500 x 1710 x 1720	1220
	x7-448	4	220V/50Hz	0.25-6	35	2815 x 1710 x 1720	1350
	x8-512	5	220V/50Hz	0.25-6	40	3130 x 1710 x 1740	1510
	x10-640	5.5	220V/50Hz	0.25-6	50	3760 x 1710 x 1740	1850
	x12-768	6	220V/50Hz	0.25-6	60	3935 x 1710 x 1740	2190
zx-Series	zx4-320	3.5	220V/50Hz	0.25-6	25	1920 x 1607 x 1953	850
	zx5-400	4	220V/50Hz	0.25-6	30	2260 x 1607 x 1953	950
	zx6-480	4.5	220V/50Hz	0.25-6	35	2596 x 1607 x 1953	1100
	zx7-560	5	220V/50Hz	0.25-6	40	2934 x 1607 x 1953	1400

Product Series		e-Series	i-Series	s-Series	x-Series	zx-Series	
Sorting Process	Output/Sorting performance	Output	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
		Sorting Accuracy	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Final Rejection Ratio	TriSort	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
		QuadSort	★★★★★	★★★★★	★★★★★	-	-
	Eliminating	Black Rice	✓	-	✓	✓	✓
		Discolor Rice	✓	-	✓	✓	✓
		Chalky Rice	✓	-	✓	✓	✓
	Simultaneous	Discolor and Chalky	✓	-	✓	✓	✓
	Multi Grain Sorting	Multi sort	-	❖	❖	❖	❖
	Fault size selection	Desired elimination	✓	✓	✓	✓	✓
Adjustable CAM	For Multi commodity	-	✓	✓	✓	✓	
Features	Trichromatic Camera	True color camera	✓	✓	✓	✓	✓
	HMI- TFT color touch screen	7-inch Embedded OS	✓	✓	✓	-	-
		15-inch windows OS	-	-	-	✓	✓
	High speed Ejector	1KHz operation	✓	✓	✓	✓	✓
	LED light Source	Multi color LED	✓	✓	✓	✓	✓
	Auto reflector	Multi color background	✓	✓	✓	✓	✓
	FPGA+DSP processor	Sorting Algorithm	✓	✓	✓	✓	✓
	Internet of things	Wifi	#	#	✓	✓	✓
		Ethernet	#	#	✓	✓	✓
		4G wingle	#	#	✓	✓	✓
		Monitoring & Controlling	#	#	✓	✓	✓
		Mailing	#	#	✓	-	-
	Camera Imaging	Signal view	-	-	✓	✓	✓
	Ejection data	Camera ejection rate	-	-	✓	✓	✓
Smart key Profile selection	One touch selection	✓	✓	✓	✓	✓	
Smart security System	Mother board security	-	-	✓	-	-	




- Additional Option

❖ - Only specified materials

Infrastructure





-  Corporate Office
-  Regional Service Head
-  Service Centers



24 Hours
Onsite Service



One Year
Warranty



24x7
Service Backup



Establish
Online Support

Service Centers



Office :

1-A, R.K. Nagar, Behind Jaishanthi Theatre,
Singanallur, Coimbatore - 641005.
Ph : + 91 422 2272164 / 5 / 6

Factory :

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N.K.Palayam (PO), Coimbatore - 641033.
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