



**MILLGRAIN
MACHINERY INDUSTRIES**

**BUILD
YOUR**

FUTURE



**COLOR
SORTOR**

www.millgrain.in



MILLGRAIN MACHINERY INDUSTRIES

COLOR SORTER



Specifications:

2048 Pixel double side view CCD Camera technology High speed ejector valves 15 Program presets of variety of products 7 channels chutes of variety of products 4 Channels chutes: 30mm each channels Dimension L X W X H: 53x50x70

Color Sorter:

We are counted amongst as the leading manufacturers, exporters and suppliers of excellent quality Color Sorter that is excellent in performance. Offered sorter is highly admired for sorting application with complete accuracy. In order to meet the set industry norm, this sorter is precisely engineered by our diligent professionals by making use of quality assured components and modern technology. Also, this Color Sorter can be availed from us in diverse specifications as per the client's requirement.

Features

- High performance
- Smooth operation
- Less maintenance
- Robust construction



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Camera

leading in the industry ▲

Be able to provide HD image as high as 190million pixels per second: 0.06mm ultra-high resolution in maximum. With high-end customixed HD lens, the resolution is improved over 30%



Precise Solenoid Valve

Leading in china ▲

Quick: response in 0.1ms
Accurate: pick out accurately
small: low air consumption



Intelligent Image Processing Algorithm

The combination of colors and shapes of intelligent algorithm leading role in china. Precise professional sorting solutions



Illumination System

Import purchasing ▲

Even illumination: accurate dimming, Power and energy saving, long service life, free of maintenance



Data Transmission System

high-speed and stable ▲

With stable automobile level high speed communication system, the rate is improved for 4 times.



SOC

Innovative ultra high-speed processing ▲

With outstanding high performance and low power consumption, highest bandwidth and integration density in the industry, the processing ability is improved for 5 times.



Feed Trough

Special technology ▲

Application of high-Quality 300mm ultra wide trough in china. Special anodization treatment process ensures the required production in the with the international first-class level. Cascading flat plate and narrow chute channel can be outfitted to sort a variety of material colors.



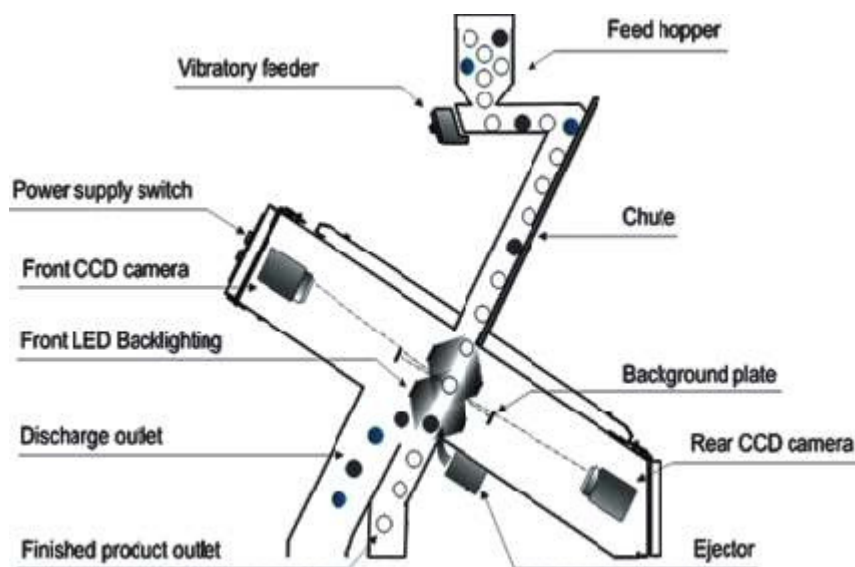
Human-Computer Interface

Simple and easy to operate ▲

More intelligent, easy operation, one button for professional sorting, remote debugging, remote diagnosis, remote software upgrading.



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Examples of sorting

Long Grain Fragrant



Raw Material/After sorting/Rejection

Brown Rice



Raw Material/After sorting/Rejection

Japanica Rice



Raw Material/After sorting/Rejection

Glutinous Rice



Raw Material/After sorting/Rejection

Fava Beans Slices



Raw Material/After sorting/Rejection

Red Bean



Raw Material/After sorting/Rejection

Soybean



Raw Material/After sorting/Rejection

Sunflower Seeds



Raw Material/After sorting/Rejection

Peanuts



Raw Material/After sorting/Rejection



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Peeling peanuts



Raw Material/After sorting/Rejection

Peeling Sesame



Raw Material/After sorting/Rejection

Brown Rice Milk



Raw Material/After sorting/Rejection

Corn



Raw Material/After sorting/Rejection

Sesame



Raw Material/After sorting/Rejection

Wheat



Raw Material/After sorting/Rejection

Wolfberry



Raw Material/After sorting/Rejection

Almond



Raw Material/After sorting/Rejection

Coffee Beans



Soybean



Raw Material/After sorting/Rejection

Peeling garlic



Raw Material/After sorting/Rejection

Dehydrated Onions



Raw Material/After sorting/Rejection

Pumpkin Seed Kernel



Purple Flower



Raw Material/After sorting/Rejection



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Product Model



Technical Specifications:

Name	Model	Cap T/ H	Power KW	Voltage	Sorting Accuracy %	Rejection Ratio	Air Requirement	LxBxH
MG 1	MGX63	0.5-1.5	1.2	Ac 220v/50HZ	> 99.99	≥10:1	18 CFM	1066x1603x1748
MG 2	MGX126	0.75- 2	2	Ac 220v/50HZ	> 99.99	≥10:1	36 CFM	2297x1655x1912
MG 3	MGX189	1-3	2.5	Ac 220v/50HZ	> 99.99	≥10:1	56 CFM	2297x1655x1912
MG 4	MGX252	2-4	3	Ac 220v/50HZ	> 99.99	≥10:1	72 CFM	2297x1655x1912
MG 5	MGX315	3-5	3.6	Ac 220v/50HZ	> 99.99	≥10:1	95 CFM	2297x1655x1912
MG 6	MGX378	4-6	4.2	Ac 220v/50HZ	> 99.99	≥10:1	108 CFM	2820x1655x1912
MG 7	MGX441	5-8	5	Ac 220v/50HZ	> 99.99	≥10:1	130 CFM	2820x1655x1912

Remarks:

1. The color performance above takes the japonica rice with impurity content of 2% as an example. Specific indexes may vary with the difference in materials and impurities.
2. There will not be further notice about product updating, and users should refer to the actual conditions of the machine.



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2. MULTIGRAIN COLOR SORTER (Model – MG-CS03)

SPECIFICATION

CAMERA: LEADING IN THE INDUSTRY



CCD Colored HD Lens camera from Japan Toshiba be able to provide HD image as high as 190 Million pixels per second. 0.06mm Ultra - high resolution in maximum with high end customized HD lens, the resolution is improved over 30%.



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PRECISE SOLENOID VALVE:



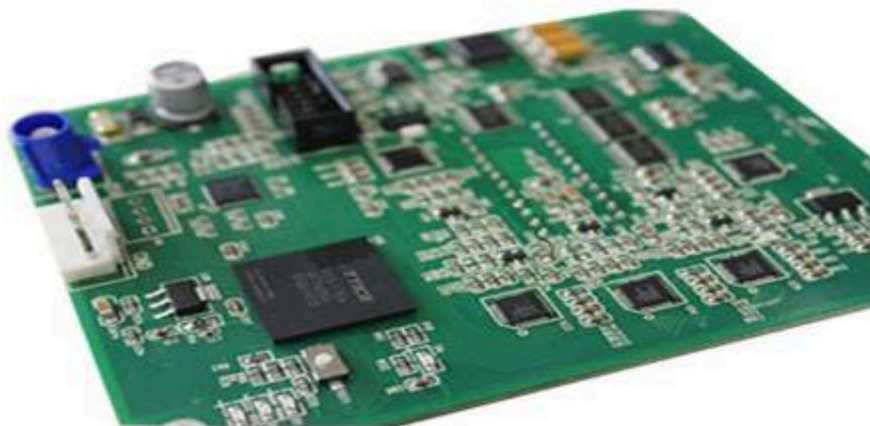
Quick: Response in 01ms

Accurate: Accurately Pick out the damage material

Small: Low Air Consumption

Low: Low Power Consumption

INTELLEAGENT IMAGE PROCESSING ALGORITHM:



The Combination of Colors and shapes of the intelligent algorithm leading role in India. The Professional sorting solutions Algorithm Is complete and one of the successful encoding level.



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ILLUMINATION SYSTEM:IMPORT PURCHASING



Even Illumination: Accurate Dimming Power and energy saving Long service life with free of maintenance.

DATA TRANSMISSION SYSTEMS: HIGH SPEED AND STABLE

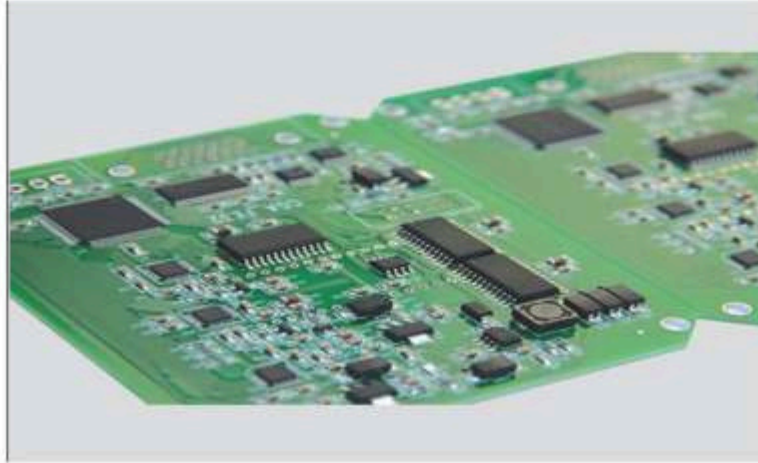


Data transmission system is with stable automobile level high speed communication systems. The Rate is improved for 4 Times than before.



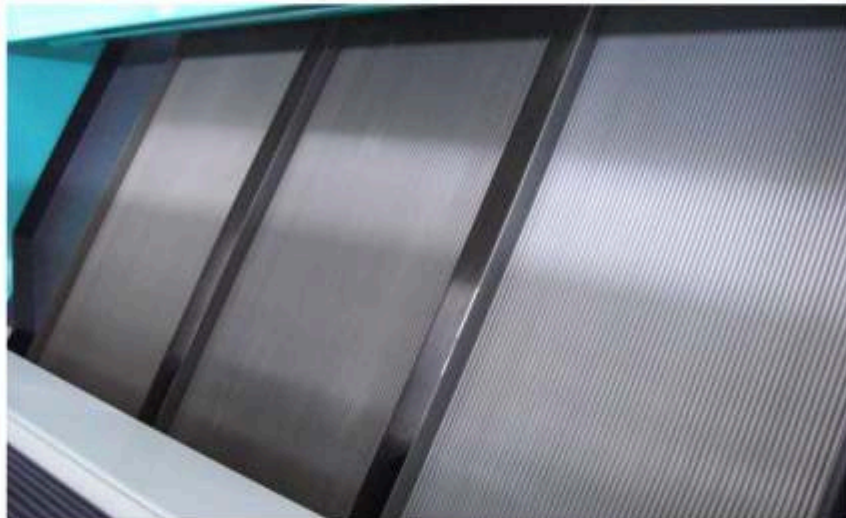
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SOC: INNOVATIVE ULTRA HIGH SPEED PROCESSING



SOC is with outstanding high performance and low power consumption. Highest bandwidth and integration density in the industry. The processing ability is improved for 5 times than before.

FEED TROUGH: A SPECIAL TECHNOLOGY

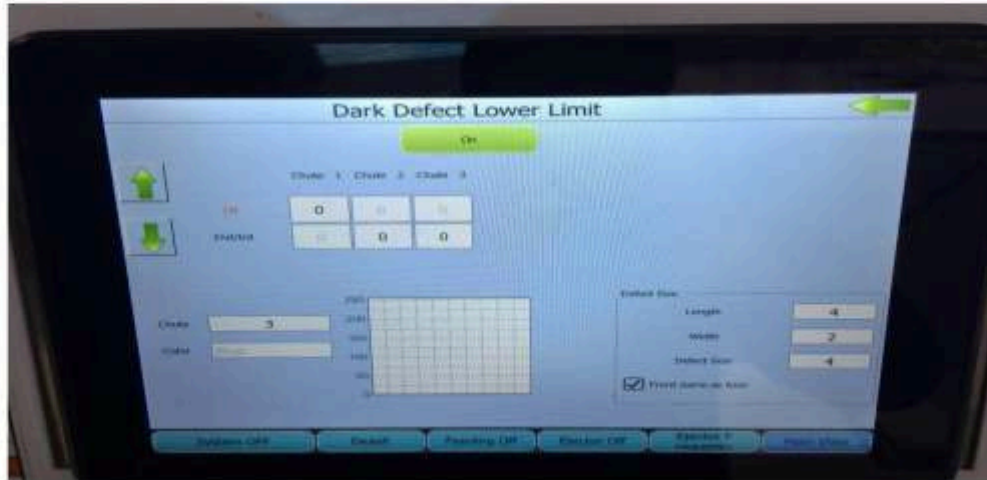


Application of High Quality 300mm ultra wide trough in India. Special anodization treatment process ensures the required production in line with the international first class level. Cascading flat plate and narrow chute channel can be outfitted to sort a variety of material colors.



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HUMAN - COMPUTER INTERFACE: SIMPLE & EASY TO OPERATE



More Intelligent, easy operation. One button for professional sorting, remote debugging, remote diagnosis, remote software upgrading.

HIGH RELIABILITY:

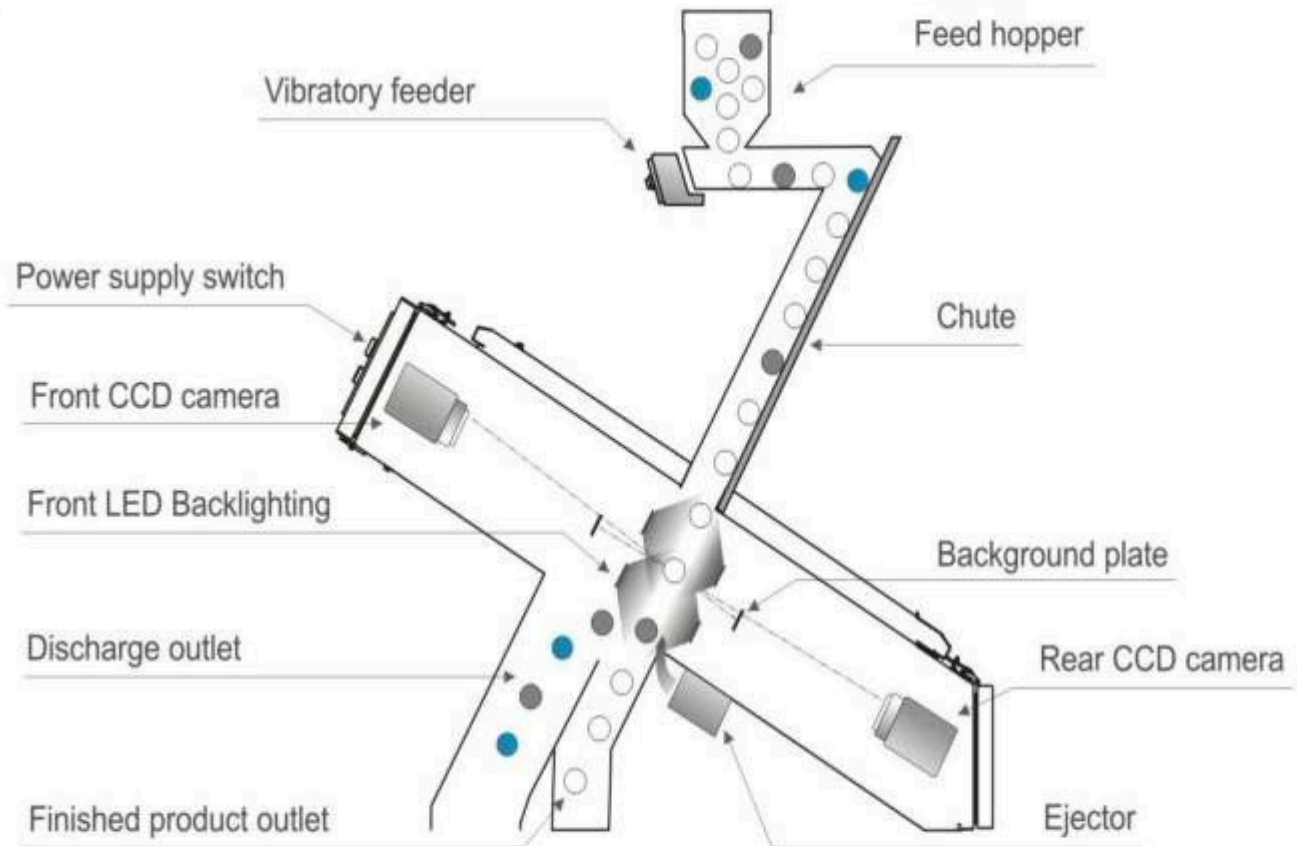


The Mechanical structure is designed for reliability and stability. The Cooling systems in the machine to improve the service life and stability of the machine. The electrical and optical design system is meant for simplicity and efficiency. This optimized systems deduce the complexity of the machine and improves its reliability.



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STRUCTURE SCHEMATIC



3. Installation & Commissioning with Electric Control Panel & Cables of Complete Plant of Both of Machine.



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