



SORTING CREATES VALUES



Resource recycling makes eternal value

8 recycled plastic bottles can make a T-shirt, the recycled rubber is the raw material for the track of stadium, nursing bottles can be made into household water pipes... Recycling product enters innumerable families thanks to the development of circular economy, which creates huge economic and social value, and benefits the world.

As an enterprise with social responsibility, we are releasing the concept of "Green Meyer", taking the recycling resources production line as one of the key development parts, and making efforts to the development of the world's circular economy. Since 2008, nearly 6 million tons of recycling resources (plastics, scrap metals, glass) are sorted by Meyer sorting equipments in the world and more than 25 million tons of recycling resources are processed with Meyer equipment. The trust of tens of thousands of customers brings Meyer the leader of Chinese coor sorter industry, leading Meyer to the world arena.

Now, "Green Meyer" sets sail towards a beautiful earth and a better world for humans. Let's look forward to green future!



ABOUT MEYER

Meyer is wholehearted for you

Hefei Meyer Optoelectronic Technology INC (Stock code:002690) is a high & new tech company focusing on the research and solutions development in the field of optical sorting, X-ray inspection, and medical imaging technologies. Meyer's products such as AI sorter, X-ray inspection equipments and high-end CBCT have been widely applied to agricultural processing, industrial inspections and health care with leading market shares for many years.

Green Meyer Green future

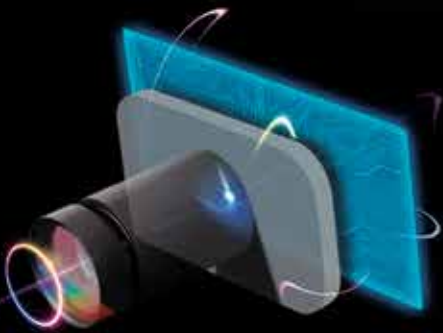
Nowdays, meyer has established a global marketing network. Meyer high quality solutions for optical and nondestructive inspection have been delivered to over 40,000 customers covering more than 100 countries including Asia, North America, South America, Western Europe, Eastern Europe, Africa, the Middle East, etc.

Cutting edge technology delivers powerful strength

With a strong R & D team of more thn 300 people, Meyer has been awarded as National Science & Technology Progress Award for the digital color sorter, certified as National Innovative Enterprise & Major High Technology Expertise, National Certified Enterprise Technology Center Dominantly set and standards releaser of color sorters etc.



Technical Superiority



Ultra HD Imaging System

With new Meyer advanced AI image computing technology, the 3D reconstruction analysis of color selected materials reveals any impurity.



Targeted Positioning

Combined with the ultra HD imaging system, the uncertain geometric center point of the material can be locked precisely by the 3D reconstruction technology to achieve bulls-eye removal.



Multispectral Confocal System

The sub-pixel high-precision imaging technology ensures accurate extraction of the characteristic spectra of different polymer materials, greatly improving the accuracy of materials identification.



Maglev Ejector (Contact-free design for ejectors)

Core patent, starting frequency > 1200 times / second; ejector durability can match the needs of life-long use with regular maintenance.



Meyer Transmission System 3.0

The front drive and anti-offset design effectively improve the sorting performance, reduce the breaking ration and maintenance cost.

Remote Touch-free Service

Remote Control

Intelligent interconnection between people and sorting machines ensures the sorter production process can be easily controlled for adjusting the sorting parameters, getting the raw material and accepts data online anytime, anywhere.

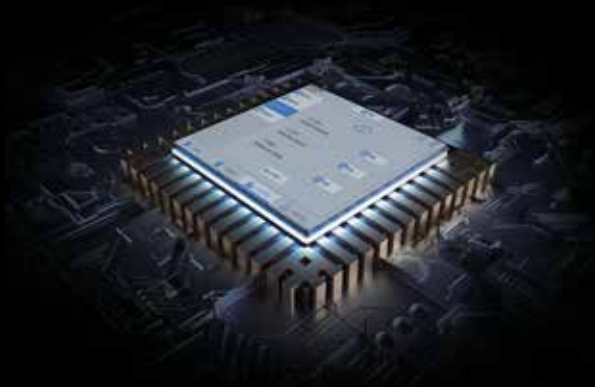


Remote Commissioning

Afraid of running abnormally? Don't worry, the large screen of Meyer color sorter can directly connect with the phone interface of after-sales engineers. They will help you improve sorting performance online professionally and assuredly.

Intelligent Backup

Key parameters automatically back up to the cloud regularly, and the sorting solutions can be switched quickly when facing different types of raw materials when the sorter is online.



Intelligent Self-detection

Signal and key device detection and maintenance reminder make sure that the machine is always at its best when the sorter is online.

PET Plastic Sorting Solution

① Bottle Sorting Solution



KL series bottle sorter

- Available for both polymer & color sorting;
- Precisely detect and remove non-PET bottles from PET bottles, such as PVC / PP / PE, etc;
- Effectively identify all kinds of color bottles: blue, white, milky white, green...
- Throughput capacity reaches 1-7 tons per hour, secondary sorting is supported.

Correction System for Transmission Structure

PET and Non-Pet Separation

InGaAs Infrared System

Technical Index

K L	Model	Sorting Unit Power	Voltage	Yield	Air Consumption	Sorting Unit Dimension	Machine Dimension	Weight
	6SXZ-120KL-GY	6.0kW	340~420V 50Hz	1.0~2.0t/h	<4.0m³/min	5350 x 2430 x 2595mm	10015 x 2380 x 2595mm	2000kg
	6SXZ-200KL-GY	9.0kW	340~420V 50Hz	3.0~4.0t/h	<6.5m³/min	5350 x 3180 x 2595mm	10015 x 3180 x 2595mm	2500kg
	6SXZ-280KL-GY	12.0kW	340~420V 50Hz	5.0~7.0t/h	<9.0m³/min	5350 x 4080 x 2565mm	10015 x 4080 x 2595mm	3500kg

Note: Dimension is for optical part dimension (without conveyor and feeding vibrator device)

	Item	KL Series		Item	KL Series
Key Components	15-inch LCD	●	Service Life	Patented maglev ejector	> 10 billion times
	Micron-sized superior HD color sensor	●		LED	> 50 thousand hours
	Infrared imaging system	●			
	Infrared InGaAs sensor	●	Air Circuit System	Large air capacity system	●
	Compound lightning system	●			
	Crash prevented maglev ejector	●	Machine Protection	Waterproof and seal ability of IP65	●
Color Sorting	Targeted positioning	●			
Material Separation	Separate PP and PE	○		Transmission structure	●
	Separate PET and non-PET	●			

(Note: parameters above are tested in the environment of 25°C and 2% the impurities rate and may change in the different conditions.)

● Standard matching; ○ Selection; - None.)

② PET Flakes Color Sorting Solution



CG.P chute-type color sorter

- Precisely detect and remove all kinds of heterochromatic and aluminum flakes in plastic flakes;
- Equipped with steplessly dimming technology which makes brightness of the light source adjusted freely, and identifications the micro color difference easily;
- Throughput capacity reaches 1-10 tons per hour, the setting of chutes sorting ratio is flexible and free, online sorting and remote control are also supported.

Micron-sized HD Color Sensor

Targeted Positioning

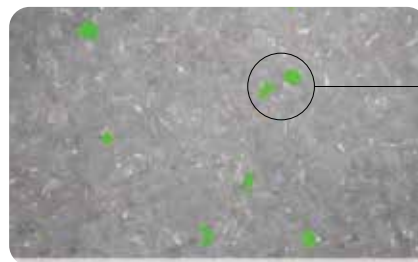
Anti-blocking Material Design

Maglev Ejector

③ PET Flakes Polymer & Color Sorting solution



By Visible Camera (raw material)



By Infrared Camera (raw material)



InGaAs Infrared System

Intelligent Lightning System

Large Capacity Air System

Anti-blocking Material Design

CI series polymer & color sorter

- Available for both polymer & color sorting;
- Sorting by color differences, detecting and removing non-PET materials from flakes, such as PVC/PS/PC/PA/PP/PE/ABS/rubber / aluminum slice, etc.;
- The max image resolution up to 1mm, effectively removing impurities of 2mm and above;
- Throughput capacity reaches 1-8 tons per hour, the setting of chutes sorting ratio is flexible and free, online sorting and remote control also supported.



Correction System for Transmission Structure

Intelligent System

Targeted Positioning

InGaAs Infrared System

KI belt-type polymer sorter

- InGaS Infrared System provides excellent flakes sorting and purification solution;
- The max image resolution up to 1mm, effectively removing impurities of 2mm and above;
- Provide customized solutions

Technical Index

	Model	Power	Voltage	Yield per chute	Air Consumption	Dimension	Weight
CG.P	6SXZ-120CG-GY	1.3kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<2.5m³/min	1526 x 1580 x 2020mm	960kg
	6SXZ-240CG-GY	2.0kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<4.0m³/min	2118 x 1580 x 2020mm	1310kg
	6SXZ-360CG-GY	2.7kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<5.5m³/min	2710 x 1580 x 2020mm	1660kg
	6SXZ-480CG-GY	3.4kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<6.5m³/min	3333 x 1580 x 2020mm	2010kg
	6SXZ-600CG-GY	4.0kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<8.0m³/min	3925 x 1580 x 2020mm	2360kg
CI	6SXZ-60CI-GY	1.8kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<2.5m³/min	1136 x 1700 x 2030mm	1000kg
	6SXZ-180CI-GY	4.8kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<3.0m³/min	1628 x 1700 x 2030mm	1400kg
	6SXZ-300CI-GY	6.0kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<4.5m³/min	2220 x 1700 x 2030mm	1700kg
	6SXZ-480CI-GY	8.0kW	180 ~ 240V 50Hz	0.3 ~ 1.0t/h	<6.5m³/min	3180 x 1700 x 2030mm	2000kg
KI	6SXZ-240KI-GY	3.5kW	180 ~ 240V 50Hz	0.3 ~ 0.7t/h	<3.0m³/min	3891 x 2105 x 2003mm	1100kg

Configuration Index

	Item	CG.P	CI Series	KI Series
Key Components	15-inched LCD	●	●	●
	Micron-sized superior HD color sensor	●	●	-
	Infrared imaging system	-	●	●
	New prism spectroscopic imaging technology	-	●	●
	Compound lightning system	-	●	-
	Crash prevented maglev ejector	●	●	●
Color Sorting	Targeted positioning	●	●	●
	Flexible elimination	●	●	●
Polymer Separation	Separate PP and PE / PET and non-PET	-	●	●
Service Life	Patented maglev ejector	> 10 bilion times	> 10 bilion times	> 10 bilion times
	LED	> 50 thousand hours	> 50 thousand hours	-
Intelligent System	Extremly simplified interface	●	●	●
	Sorter Care 5.0	●	●	●
	Remote commisioning	●	●	●
	Auto-check & Auto-tuning	-	●	-
	Automatic backup	●	●	●
Air Circuit System	Enhnced point-to-point dust sucking system	●	●	-
	Large air capacity system	●	●	-
Machine Protection	Anti-blocking design	●	●	●
	Input protection cover	-	●	-
	Long-distance protection of sorting room	-	●	●
	Waterproof and seal ability of IP65	-	-	-
	Transmission structure	-	-	●

(Note: parameters above are tested in the enviroment of 25°C and 2% the impurities rate and may change in the different conditions.

● Standart matching; ○ Selection; - None.)

PE & PP Plastic Sorting Solution

① Recommendation for polymer sorting



PE&PP Visible Light



PP Infrared Image



PE Infrared Image



InGaAs Infrared System

Intelligent Lightning System

Large Capacity Air System

Anti-blocking Material Design

CI series polymer & color sorter

- Precisely detect and remove PP or PE;
- The max image resolution up to 1mm, effectively removing impurities of 2mm and above;
- Throughput capacity reaches 1-8 tons per hour, the setting of chutes sorting ratio is flexible and free, online sorting and remote control also supported.



Correction System for Transmission Structure

Intelligent System

Targeted Positioning

InGaAs Infrared System

KI belt-type polymer sorter

- InGaS Infrared System provides excellent flakes sorting and purification solution;
- Precisely detect and remove PP or PE;
- The max image resolution up to 1mm, effectively removing impurities of 2mm and above;
- Provide customized solutions

② Recommendation for color sorting



Micron-sized HD Color Sensor

Targeted Positioning

Anti-blocking Material Design

Maglev Ejector

CG.P chute-type color sorter

- Precisely detect and remove all kinds of heterochromatic and aluminum flakes in plastic flakes;
- Equipped with steplessly dimming technology. Precise adjustment of the brightness of the light source and eas identifications of the micro color difference;
- Throughput capacity reaches 1-10 tons per hour, the setting of chutes sorting ratio is flexible and free, online sorting and remote control are also supported.

Plastic Pellets & Granules Sorting Solution

① Conventional pellets & granules



Accepts



Rejects

Recommend: CG.P chute-type color sorter



- Precisely detect and remove all kinds of heterochromatic pellets & granules from raw materials.
- Throughput capacity up to 1-10 tons per hour, the setting of chutes sorting ratio is flexible and free, online sorting remote control also supported.

Micron-sized HD Color Sensor

Targeted Positioning

Anti-blocking Material Design

Maglev Ejector

Other options: K/KS series belt-type color sorter



- Suitable for color classifications of all kinds recycled pellets & granules;
- Worry-free transmission, stable operation and accurate elimination;
- Special sorting protection design can solve the separation and identification problems in heavy dust and pollution environment;
- Stainless steel body to avoid the corrosion by salt, alkali and acid in the material;
- Double-layer integrated design of belt color sorter meets the higher requirements for the purity of finished products.

Micron-sized HD Color Sensor

Intelligent Lightning System

Maglev Ejector

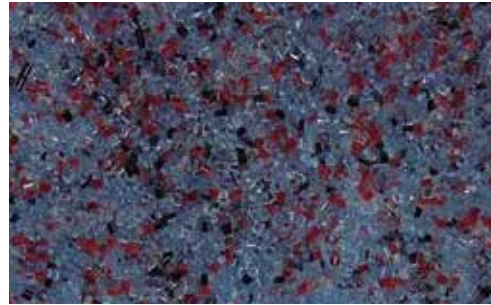
Long-distance Protection of Sorting Room



② Highly elastic pellets & granules



Accepts



Rejects

Recommend: K/KS series belt-type color sorter



- Suitable for color classifications of all kinds recycled highly elastic pellets & granules;
- Worry-free transmission, stable operation and accurate elimination;
- Special sorting protection design can solve the separation and identification problems in heavy dust and pollution environment;
- Stainless steel body to avoid the corrosion by salt, alkali and acid in the material;
- Double-layer integrated design of belt color sorter meets the higher requirements for the purity of finished products.

Targeted Positioning

Intelligent Lightning System

Maglev Ejector

Long-distance Protection of Sorting Room

Other materials not suitable for chute-type color sorter

Other materials such as heavy dust and oil pollution, uneven size or too large size not suitable for chute-type color sorter,



ABS



PC

we recommend you:

K/KS/KM series belt-type color sorter

- Suitable for color classifications of recycled plastics, scarp material, glass, and other block materials;
- Worry-free transmission, stable operation and accurate elimination;
- Special sorting protection design can solve the separation and identification problems in heavy dust and pollution environment;
- Stainless steel body to avoid the corrosion by salt, alkali and acid in the material;
- Double-layer integrated design of belt color sorter meets the higher requirements for the purity of finished products.

Targeted Positioning

Intelligent Lightning System

Maglev Ejector

Long-distance Protection of Sorting Room



Scrap Metal & Recycled Glass Sorting Solution



Red cooper



Brass



Lead



Transparent glass



Dark glass



Green glass



KM series belt-type color sorter

- Suitable for color classifications of all kinds of recycled scarp material, such as: cooper, aluminum, zinc, stainless steel, etc.;
- Worry-free transmission, stable operation and accurate ellimination;
- Special sorting protection design can solve the separation and identification problems in heavy dust and pollution enviroment;
- Stainless steel body to avoid the corrosion by salt, alkali and acid in the material;

Targeted Positioning

Intelligent Lightning System

Maglev Ejector

Long-distance Protection of Sorting Room

Technical Index

	Model	Power	Voltage	Product per chute	Air Consumption	Dimension	Weight
K	6SXZ-60K2-GY	1.5kW	180 ~ 240V 50Hz	200 ~ 600kg/h	<1.5m³/min	4130 x 1100 x 2040mm	1000kg
	6SXZ-120K2-GY	2.0kW	180 ~ 240V 50Hz	200 ~ 600kg/h	<2.0m³/min	4130 x 1390 x 2040mm	1200kg
	6SXZ-180K2-GY	2.5kW	180 ~ 240V 50Hz	200 ~ 600kg/h	<2.5m³/min	4130 x 1670 x 2040mm	1400kg
	6SXZ-240K2-GY	3.0kW	180 ~ 240V 50Hz	200 ~ 600kg/h	<3.0m³/min	4130 x 1960 x 2040mm	1600kg
KM	6SXZ-60KM-GY	1.5kW	180 ~ 240V 50Hz	300 ~ 700kg/h	<1.8m³/min	3050 x 1360 x 1900mm	750kg
	6SXZ-120KM-GY	2.0kW	180 ~ 240V 50Hz	300 ~ 700kg/h	<2.5m³/min	3050 x 1650 x 1900mm	900kg
	6SXZ-240KM-GY	3.0kW	180 ~ 240V 50Hz	300 ~ 700kg/h	<3.6m³/min	3050 x 2230 x 1900mm	1400kg
KS	6SXZ-480KS2-GY	4.5kW	180 ~ 240V 50Hz	300 ~ 700kg/h	<6.0m³/min	3970 x 1960 x 2690mm	2500kg

Configuration Index

	Item	K	KS	KM
Key Components	15-inched LCD	●	●	●
	Micron-sized superior HD color sensor	●	●	●
	Infrared imaging system	-	-	-
	New prism spectroscopic imaging technology	-	-	-
	Compound lightning	-	-	-
	Crash prevented maglev ejector	●	●	●
Color Sorting	Targeted positioning	●	●	●
	Flexible elimination	●	●	●
Service Life	Patented maglev ejector	> 10 bilion times	> 10 bilion times	> 10 bilion times
	LED	> 50 thousand hours	> 50 thousand hours	> 50 thousand hours
Intelligent System	Extremly simplified interface	●	●	●
	Sorter Care.5.0	●	●	●
	Remote commisioning	●	●	●
	Auto-check & Auto-tuning	-	-	-
	Automatic backup	●	●	●
Air Circuit System	Enhnced point-to-point dust sucking system	●	●	●
	Large air capacity system	-	-	-
Machine Protection	Anti-blocking design	●	●	●
	Input protection cover	-	-	-
	Long-distance protection of sorting room	-	-	●
	Waterproof and seal ability of IP65	●	●	●
	Transmission structure	●	●	●

(Note: parameters above are tested in the enviroment of 25°C and 2% the impurities rate and may change in the different conditions.

● Standart matching; ○ Selection; - None.)

Sorting creates values!

Every day, 40,000 machines are in operation globally.

Every moment, we are ready to provide you with customized solutions for renewable resources sorting.

Every second, Meyer is ready to improve efficiency and create more values for you.



MACHINE ON SITE



GREEN MEYER GREEN FUTURE



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