MY MEYER

MEYER COLOR & POLYMER SORTERS

RENEWABLE RESOURCES SORTING SOLUTIONS
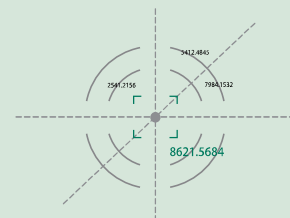
PLASTIC

METAL

GLASS

ᴹ TECHNICAL ADVANTAGES

⊕ Ultra HD Imaging System

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

⊕ Maglev Ejector 2.0

Core patent, starting frequency > 1500 times/ s and service life >30 billion times.

⊕ 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.

⊕ Meyer Transmission System 3.0

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

⊕ Multispectral Confocal System

by visible light

Non-PET

by multispectral confocal

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

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

The large screen on Meyer color sorter can directly connect with the phone of after-sales engineers. They will online help you with sorting performance 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.

APPLICATION FIELD

Classification and recycling of PET, color and polymer sorting from bottle to bottle flakes

HDPE (milk bottle) color sorting, polymer sorting (HDPE /PP) purification, milk white flakes, semi-transparent separation including bottle cap, tin mouth

Color sorting for colorful bottle caps.

Color and polymer sorting for plastic packaging and housing of daily chemicals and household appliances.

Color sorting for waste glass, to seperate different color glass.

Non-ferrous metal sorting, to improve the purity of copper, aluminum, zinc and other metals recycling.

Ore sorting, to improve the quality, reduce harmful and useless substances
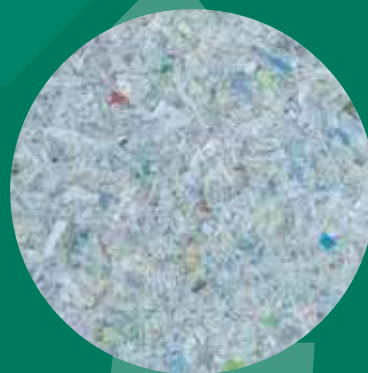
⋏⋎ PET ALL-FORM SORTING SOLUTIONS

bottle sorting

bottle cap sorting

PET All-Form Soring Solutions

bottle scrap sorting

bottleneck sorting

bottle flake sorting

Industry Pioneering
——Apply visible light, infrared light and ultraviolet light to RPET sorting

KL Series Bottle Color & Polymer Sorter

◎ Technical Advantages

For whole bottle sorting only, equipped with visible light composite multispectral confocal technology, color and polymer sorting can work together.

☀ Highlights

· Comprehensive optimization of the sorting structure, easy removal.

· Effectively identify different color PET bottles, such as light blue, green, red, yellow, porcelain white, etc.

· Detect and remove non-PET bottles, such as PVC/PS/PC/PA/PP/PE/ABS, etc.

COMPREHENSIVE CONFIGURATION TABLE SHEETS

Technical Indicator

Name	Model	Power (KW)	Voltage (V)	Yield per Chute (t/h)	Air Consumption (m³/min)	Dimension (L*W*H) (mm)	Weight (kg)
CG.P	6SXZ-240CG-GY	2.0	180~240V 50Hz	0.3~1.0	<4.0	2118x1580x2020	1310
	6SXZ-360CG-GY	2.7	180~240V 50Hz	0.3~1.0	<5.5	2710x1580x2020	1660
	6SXZ-480CG-GY	3.4	180~240V 50Hz	0.3~1.0	<6.5	3333x1580x2020	2010
	6SXZ-600-GY	4.0	180~240V 50Hz	0.3~1.0	<8.0	3925x1580x2020	2360
KM	6SXZ-60KM-GY	1.5	180~240V 50Hz	0.3~0.7	<1.8	2050x1360x2020	750
	6SXZ-120KM-GY	2.0	180~240V 50Hz	0.3~0.7	<2.5	2050x1650x2020	900
	6SXZ-240KM-GY	3.0	180~240V 50Hz	0.3~0.7	<3.6	2050x2230x2020	1400
KS	6SXZ-480KS2-GY	4.5	180~240V 50Hz	0.3~0.7	<6.0	3970x1960x2690	2500
K	6SXZ-60K2-GY	1.5	180~240V 50Hz	0.3~0.7	<1.5	4130x1100x2040	1000
	6SXZ-120K2-GY	2.0	180~240V 50Hz	0.3~1.0	<2.0	4130x1390x2040	1200
	6SXZ-180K2-GY	2.5	180~240V 50Hz	0.3~0.7	<2.5	4130x1670x2040	1400
	6SXZ-240K2-GY	3.0	180~240V 50Hz	0.3~0.7	<3.0	4130x1960x2040	1600
CI-L	6SXZ-180CI-L-GY	3.1	180~240V 50Hz	0.3~1.0	<3.0	1628x1700x2030	1400
	6SXZ-300CI-L-GY	4.6	180~240V 50Hz	0.3~1.0	<4.5	2220x1700x2030	1700
	6SXZ-480CI-L-GY	7.0	180~240V 50Hz	0.3~1.0	<6.5	3108x1700x2030	2000
CI	6SXZ-180CI-GY	3.1	180~240V 50Hz	0.3~1.0	<3.0	1628x1700x2030	1400
	6SXZ-300CI-GY	4.6	180~240V 50Hz	0.3~1.0	<4.5	2220x1700x2030	1700
	6SXZ-480CI-GY	7.0	180~240V 50Hz	0.3~1.0	<6.5	3180x1700x2030	2000
CI-H	6SXZ-180CI-H-GY	3.1	180~240V 50Hz	0.1~1.0	<3.0	1628x1700x2030	1400
	6SXZ-300CI-H-GY	4.6	180~240V 50Hz	0.1~1.0	<4.5	2220x1700x2030	1700
	6SXZ-480CI-H-GY	7.0	180~240V 50Hz	0.1~1.0	<6.5	3180x1700x2030	2000
CI-U	6SXZ-480CI-U-GY	4.6	180~240V 50Hz	0.2~0.5	<6.5	3180x1700x2030	1300
KL	6SXZ-120KL-GY	6.0	180~240V 50Hz	1.0~2.0	<4.0	5350x2430x2595	2000
	6SXZ-200KL-GY	9.0	180~240V 50Hz	3.0~4.0	<6.5	5350x3180x2595	2500
	6SXZ-280KL-GY	12.0	180~240V 50Hz	5.0~7.0	<9.0	5350x4080x2595	3500

Configuration Index

	Item	CG.P	K	KM	KS	KL	CI-L	CI	CI-H	CI-U
Key Components	15-inched LCD	●	●	●	●	●	●	●	●	●
	Micron-sized superior HD color sensor	●	●	●	●	●	-	●	●	●
	Infrared imaging system	-	-	-	-	●	●	●	●	-
	New prism spectroscopic imaging technology	-	-	-	-	●	●	●	●	-
	Compound lighting system	-	-	●	-	●	-	●	●	-
	Crash prevented maglev ejector	●	●	●	●	●	●	●	●	●
Color Sorting	Targeted Positioning	●	●	●	●	●	●	●	●	●
	Flexible elimination	●	●	●	●	-	●	●	●	●
Separation	Separate PP and PE / PET and non-PET	-	-	-	-	●	●	●	●	-
Service Life	Patented maglev ejector	>30 billion times	>30 billion times	>30 billion times	>30 billion times	>10 billion times	>30 billion times	>30 billion times	>30 billion times	>30 billion times
	LED	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours
Intelligent System	Extremly simplified interface	●	●	●	●	-	●	●	●	●
	Sorter Care 5.0	●	●	●	●	●	○	●	●	●
	Remote Commissioning	●	●	●	●	●	○	●	●	●
	Auto-check & Auto-tuning	-	-	-	-	-	○	●	●	●
	Automatic backup	●	●	-	●	-	○	●	●	●
	Enhanced point-to-point dust sucking system	●	●	●	●	-	●	●	●	●
Air Circuit 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 different conditions.
●Standard matching;   ○Selection;   - None.

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