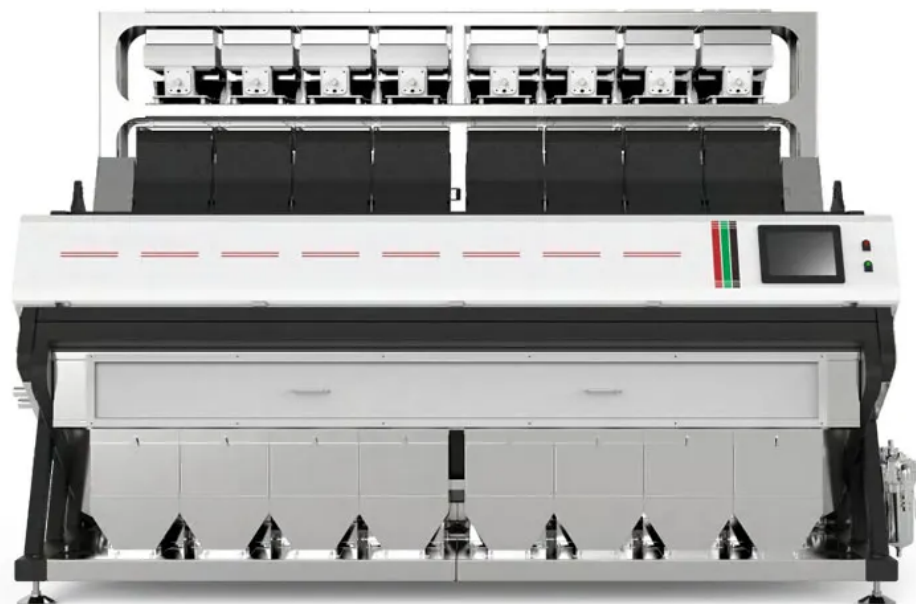




PET FLAKES POLYMER SORTER TORONGI™ SERIES

PET Flakes Polymer Sorter ToronGI™ Series utilizes advanced NIR technology and high-precision infrared cameras to efficiently sort PET flakes by color and material, ensuring superior recycling quality with high accuracy and throughput.

APPLICATIONS

PET Flakes Polymer Sorter ToronGI Series

Main Applications

Our NIR-based ToronGI™ Series offers the flexibility of visible light technology, allowing simultaneous sorting by color and polymer type.

It can identify and separate non-PET materials from PET flakes, including PVC, PC, HDPE, PP, ABS, Fr, PS, PA, POM, PMMA, PLA, non-ferrous metals, aluminum flakes, wood, rubber, silicone, and other impurities.

The ToronGI™ polymer sorter is designed to purify high-quality PET flakes, ensuring superior recycling results.

It also supports PET powder processing, effectively removing low-temperature materials like PPSU, TRITAN, and PET-G, as well as opaque materials and impurities.

FEATURES

All-in-one Sorting Machine

By combining NIR technology, high-precision multi-spectral infrared cameras, a maintenance-free light source heat dissipation system, and long-life infrared light sources, plastic flakes can be purified by both color and material simultaneously.

High and Stable Throughput

The wide chute, multi-stage feeding system, and anti-blocking material design ensure high throughput feeding and support long-term, unmanned operation, fully meeting your production needs.

Flexible Support

It supports normal sorting, reverse sorting, single sorting, re-sorting, and five-time sorting. With strong versatility, it can be adjusted to fit your specific processing needs.

High Accuracy

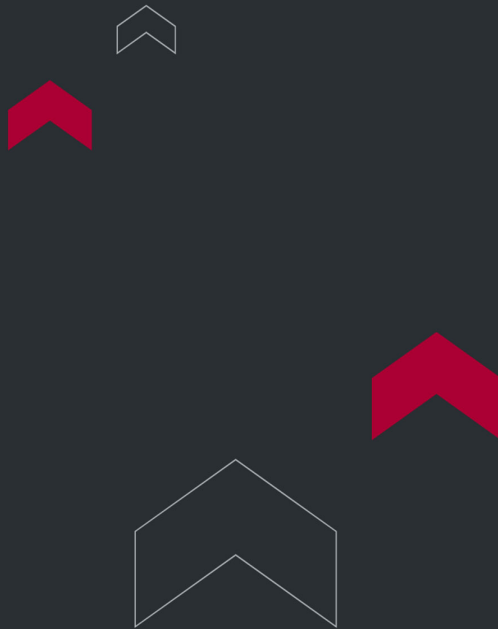
High-speed sensors, chips, and "missile guidance" systems ensure sorting accuracy rates of up to 99%.

TECHNICAL SPECIFICATIONS

Model	ToronGI™ 3	ToronGI™ 4	ToronGI™ 5	ToronGI™ 6	ToronGI™ 7	ToronGI™ 8
Accuracy (%)	>99%	>99%	>99%	>99%	>99%	>99%

Model	ToronGI™ 3	ToronGI™ 4	ToronGI™ 5	ToronGI™ 6	ToronGI™ 7	ToronGI™ 8
Throughput (T/H)	0.6-2.3	0.8-3	0.8-3.3	1-4	1.8-5.3	2-6
Air Consumption (m³/min)	<1.5	<2	<2.5	<3	<3.5	<4
Power (kW)	3.5	3.5	5.5	5.5	6.5	6.5
Voltage/Frequency	AC220V/50HZ (110V is also available)					
Air Pressure (MPa)	0.6~0.8	0.6~0.8	0.6~0.8	0.6~0.8	0.6~0.8	0.6~0.8
Weight (kg)	1150/1200	1250/1300	1750/1800	1850/1900	2200/2250	2300/2350
Dimension (mm) (L x W x H)	2150 x 1928 x 2385	2150 x 1928 x 2385	2825 x 1928 x 2385	2825 x 1928 x 2385	3518 x 1928 x 2385	3518 x 1928 x 2385

Note: Parameters listed are for reference only and may vary depending on the application and feed conditions.



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