

A large, abstract graphic on the right side of the page. It is a dense trail of small, multi-colored dots (blue, orange, and white) that forms a swirling, spiral-like shape, resembling a particle trail or a stylized 'S' or 'M' shape. The trail starts from the top right and curves downwards towards the bottom right.

SOUNDS OF **PURE FLAKES**



UNIQUE IN
FLAKE SORTING

INNOSORT *FLAKE*



SPECIFICATIONS

MECHANICAL DESIGN

Working width (mm)	1000 / 1500 / 2000
Number of chutes	2 to 4
Ejectors pitch	4,7mm
Cooling	Integrated passive cooling
Operating temperature	Up to +45°C without additional cooling
Ionization bar	Yes
Dust aspiration system	Ready for connection to a vacuum system

NIR SENSORS

Sensor type	FLYING BEAM®
Resolution	2mm
Detectable polymers	PET, PVC, PP, PE, PC, PS

DIMENSIONS

Width (mm)	1751 / 2279 / 2843
Length (mm)	1831
Height (mm)	1751
Weight max (kg)*	980 / 1100 / 1300
Power consumption (kW)*	2.2 / 3.5 / 4.7

* varies depending on application and configuration

VISIBLE SPECTRUM SENSORS

Sensor type	Full-Color CRGB
Transmission sorting	Yes
Reflection sorting	Yes (front and rear)
Lighting system	Long-life LED

INNOSORT *FLAKE*



Unique sensor combination



High-capacity - Up to 2m working width



Low initial investment



DESCRIPTION

Designed to meet the present and future challenges of a rapidly evolving market, INNOSORT *FLAKE* combines color and material sorting to reliably separate and purify a variety of material streams, including **PET and Polyolefins**. It eliminates vast portions of contaminants with its high-resolution FLYING BEAM® technology, capable of 2mm polymer recognition. With capacity up to 6 ton/hour, ultra-high-resolution **two-side CRGB cameras** and NIR sensors, INNOSORT *FLAKE* significantly reduces material losses and increases yields.



MAIN APPLICATIONS

PET Flakes

color sorting and material purification

PO Flakes

color sorting, separation of PP/PE, material purification

PVC Flakes

color sorting, material purification



TECHNOLOGY

FLYING BEAM®

TWO-SIDE CRGB



UNRIVALED
PERFORMANCE

AUTOSORT[®] *FLAKE*



SPECIFICATIONS

MECHANICAL DESIGN

Working width (mm)	1200mm
Number of chutes	3 + 1 for recovery
Ejectors pitch	4mm
Cooling	Integrated active liquid cooling system
Operating temperature	Up to +50°C
Ionization bar	Yes
Dust aspiration system	Ready for connection to a vacuum system

NIR SENSORS

Sensor type	FLYING BEAM®
Resolution	2mm
detectable polymers	All kinds of polymers, including silver and white, as well as wood and paper

METAL SENSOR

Sensor type	EM3
detectable grain size	1mm
Types of metal	All kinds including non-ferrous metals

DIMENSIONS

Width (mm)	1900
Length (mm)	2000
Height (mm)	2300
Weight max (kg)*	1850
Power consumption (kW)*	10 kW

*varies depending on configuration

VISIBLE SPECTRUM SENSORS

Sensor type	Full-Color CRGB
Transmission sorting	Yes
Reflection sorting	Yes (front)
Lighting system	Long-life LED with active cooling

AUTOSORT® FLAKE



Built for maximum precision



Metal Sensor



Single-Point detection



DESCRIPTION

Regardless of grain sizes, the AUTOSORT® FLAKE simultaneously masters three challenges: detecting color, metals and material information. Its unique combination of foreground and background illumination, coupled with the highest optical and spectral resolution and a highly sensitive electro-magnetic sensor, allows for the detection and separation of the smallest traces of contaminants in a wide range of flake applications. The ability to perform multiple sorting tasks at once considerably enhances yield and lowers installation and operational costs.



MAIN APPLICATIONS

- PET Flakes**
material and color purification
- PO Flakes**
material and color purification
- PVC Flakes**
material and color purification



TECHNOLOGY

- FLYING BEAM®
- CRGB
- METAL-SENSOR



>160
Service Engineers
Globally



16
Service Hubs
around the World



TOMRA Test Centers:
Germany, China, South Korea
Partner Test Centers:
US, Japan

As a technology leader, TOMRA Sorting Recycling continues to be pioneer in sensor-based sorting in the waste and metal recycling industries. With over 6,000 units installed in more than 100 countries, our expertise and superior service allow us to deliver high-performance sorting and analytical solutions to our customers in a broad range of applications.

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