



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



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



HIGHLIGHTS

①

High spectral resolution combined with TOMRA's patented NIR technology **ensure maximum purity and field-proven output quality and stability.**

②

Rely on years of experience and innovation: **FLYING BEAM®** is the only NIR technology on the market that allows **automatic continuous signal correction** and ensures **the most stable, safe and reliable sorting performance, with the lowest maintenance and energy consumption.**

③

High-resolution EM3 sensor enables the detection and rejection of the smallest metal particles.

④

Built to endure harsh conditions in recycling centers, the **AUTOSORT® FLAKE** is **dust resistant and has a wide operating temperature range of up to 50 degrees** with a convenient active-cooling system.

⑤

High-quality components and long-lasting ejector valves turn it into a cost-effective solution with low maintenance and energy consumption.





>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.

Recycling Headquarters

TOMRA Sorting GmbH
Otto-Hahn-Strasse 2-6
56218 Mülheim-Kärlich
Germany
Phone: +49 2630 9652 0
Fax: +49 2630 9652 101
recycling-sorting@tomra.com

France

TOMRA Sorting Sarl
266 Rue de la Gariguette
34130 Saint-Aunès
France
Phone: +33 4 67 56 39 66
tss-info-france@tomra.com

Korea

TOMRA Sorting Co., Ltd.
7th, Fl., 454, Chungang-ro,
Deokyang-gu, Goyang-si,
10486 Kyeonggi-do
Korea
Phone: +82 (0)31 938 7171
Fax: +82 (0)31 938 7173
info-korea@tomrasorting.com

Spain & Portugal

TOMRA Sorting, SL
C. Arquitecte Gaudí, 45
17480 Roses - Girona
Spain
Phone: +34 972 154 373
Fax: +34 972 153 516
info-spain@tomrasorting.com

United Arab Emirates

TOMRA Sorting DMCC
Mayfair Executive Offices, Floor 37
Jumeirah Business Center 2, JLT
Dubai
United Arab Emirates
Phone: +971 4 3745743
info-uae@tomrasorting.com

Brazil

TOMRA Brasil Ltda
Rua Fernandes Moreira, 883
04017-003 - Chác. Santo Antônio
São Paulo, Brasil
Phone: +55 11 3476 3500
Fax: +55 11 3294 3400
info-brasil@tomrasorting.com

Italy

TOMRA Sorting Srl
Strada Martinella, 74 A/B
43124 Alberi (PR)
Italy
Phone: +39 0521 681082
Fax: +39 0521 681085
TSS-info.IT@tomra.com

Poland

TOMRA Sorting Sp. z o.o.
Ul. Ligocka 103
40-568 Katowice
Poland
Phone: +48 32 352 60 93
Fax: +48 32 352 60 94
info-poland@tomrasorting.com

Turkey

TOMRA SORTING
Dudullu OSB Mah
İmes sanayi sitesi
A 101 Sok no 10
Ümraniye/Istanbul
34776 Turkey
Phone: +90 216 526 3337
Fax: +90 216 527 3394
TSS-info-turkey@tomra.com

USA East Coast

TOMRA Sorting Inc.
11121 Carmel Commons Blvd
Suite 155
Charlotte, NC 28226
Phone: +1 980 279 5650
Fax: +1 916 388 3905
recycling.us@tomra.com

China

TOMRA Sorting Technology Co.,Ltd
1A/E, Rihua Building, No.8,
Xinfeng 2nd Road, Huli District,
361006, Xiamen, Fujian, P.R.C.
Phone: +86 592 5720780
Fax: +86 592 5720779
inquiry.china@tomra.com

Japan

TOMRA Sorting K.K.
3-2-5 Magamoto, Minami-ku
Saitama-shi, Saitama
336-0033 Japan
Phone: +81 48 711 3135
Fax: +81 48 829 9082
info-japan@tomrasorting.com

Russia

TOMRA Sorting OOO
123112, Presnenskaya nab. 10, C,
5th floor, office 505
Moscow
Russia
Phone: +7 495 970 45 98
info-cis@tomrasorting.com

UK & Ireland

TOMRA House
Centurion Way
Meridian Business Park
Leicester LE19 1WH
United Kingdom
Phone: + 44 116 218 1430
info-uk@tomrasorting.com

USA West Coast

TOMRA Sorting Inc.
875 Embarcadero Drive
West Sacramento
California, 95605, USA
Phone: +1 916 388 3900
Fax: +1 916 388 3905
recycling.us@tomra.com