

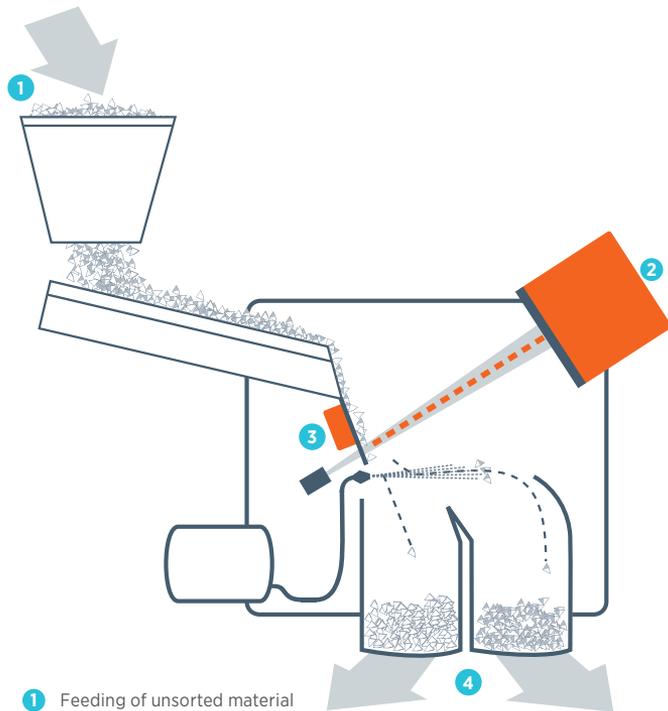
AUTOSORT *FLAKE*

ADVANCED SENSOR-BASED
SORTING TECHNOLOGY
FOR OPTIMIZED RESULTS



AUTOSORT FLAKE

Continuing its pioneering tradition, TOMRA Sorting's AUTOSORT *FLAKE* is the first to successfully **combine detection of color, enhanced material information** and metal resulting – simultaneously. This exceptionally effective system optimizes flake sorting applications – regardless of grain size.



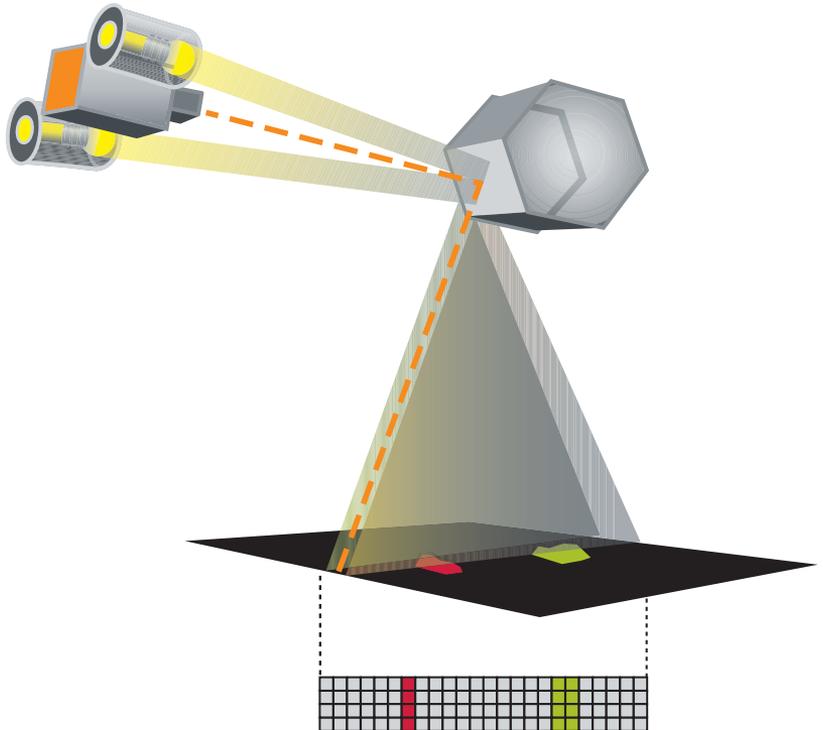
- 1 Feeding of unsorted material
- 2 Scannerbox for material and color detection
- 3 Electromagnetic sensor (optional)
- 4 Separation chamber

THE TOMRA DIFFERENCE: PATENTED TECHNOLOGY

YOU STRIVE FOR PEAK PERFORMANCE. TOMRA'S **PATENTED FLYING BEAM®** TECHNOLOGY HELPS YOU GET THERE.

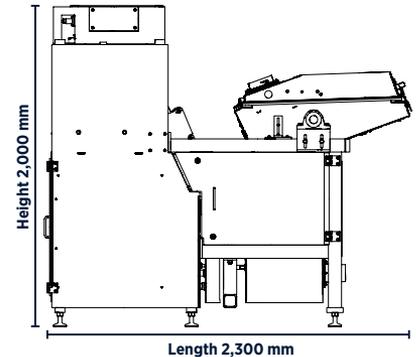
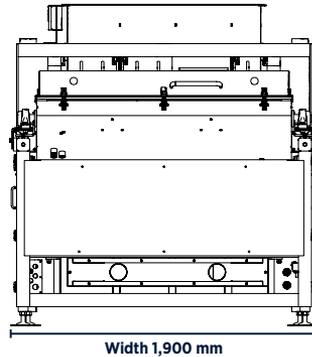
Through its **continuous calibration** feature, you can monitor and optimize the performance of your operations on a real time basis. This means **increased stability** and **less downtime** of your system while achieving **constant high-quality yield**. Additionally, innovative and accurate lighting technology results in up to **70% energy savings** and decreases your operating costs. With **FOURLINE** technology, high speed, high precision NIR sensors allow **resolution up to 2 mm**, minimizing the loss of valuable product yield and leading to **higher product recovery**.

ALL OF THIS ENSURES
GREATER PROFITABILITY
OF YOUR PRODUCT OUTPUT.



AUTOSORT *FLAKE*: FLEXIBLE CONFIGURATIONS

1200 FLAKE
VALVE BLOCK MODEL TS100B
NOZZLE DISTANCE 4 mm
VALVES 304
WEIGHT 1850 kg
POWER CONSUMPTION 10 kW



APPLICATIONS & SENSOR CONFIGURATIONS

Application	Sensor Configuration	Description
PET flakes	NIR-CRGB	Purifying PET by material & color (only transparent colors)*
PO flakes	NIR	Purifying PO flakes by material type
PVC flakes (window frames)	NIR	Purifying PVC flakes from window frames by material type
Plastic flakes	NIR	Purifying Plastic flakes from material type
Metal Removal	Optional: additional EM sensor for NIR or NIR-CRGB	

THE AUTOSORT *FLAKE* ADVANTAGE

**HIGH THROUGHPUT,
HIGH CONSISTENCY,
HIGH PRODUCT YIELD**
RESULT IN HIGH PROFITS

COLOR AND MATERIAL
(EG: PET, HDPE, PP, PVC, PS,
PLA, FERROUS AND NON-
FERROUS METALS...ETC.)
SORTING – **ALL AT THE
SAME TIME**

REMOTELY ACCESSIBLE
ONLINE STATISTIC OF
PROCESS MATERIAL

**SUBSTANTIALLY LESS DOWN-
TIME, GREATER OUTPUT
STABILITY AND LOW ENERGY
CONSUMPTION** THROUGH
PATENTED AND PIONEERING
TECHNOLOGY

**FIELD-PROVEN PROCESS AND
MACHINE DESIGN** DEVELOPED
WITH INDUSTRY PARTNERS

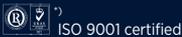
EXCELLENT PERFORMANCE
AT **EXPANDED TEMPERATURE**
RANGE (5-50 C°)

CUSTOMIZABLE FOR
MATERIAL SORTING ONLY

**SUPERIOR ALL-AROUND
SERVICE SUPPORT**
WITH TOMRA CARE

AS A TECHNOLOGY LEADER, TOMRA SORTING RECYCLING CONTINUES TO BE PIONEER IN SENSOR-BASED SORTING IN THE WASTE AND METAL RECYCLING INDUSTRIES. WITH OVER 4,400 UNITS INSTALLED IN MORE THAN 50 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.

Find out why:
www.tomra.com/recycling



We print on 100% recycled paper.
TOMRA Sorting's innovations are helping
to produce it.

Recycling Hub

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

UK & Ireland

TOMRA Sorting LTD
53-55 Queens Road
Loughborough
LE11 1HA
United Kingdom
Phone: + 44 1509 23 22 39
Fax: +44 203 481 1323
info-uk@tomrasorting.com

United Arab Emirates

TOMRA Sorting JLT
Unit No. 3702-21, floor No. 37,
Mayfair Executive Offices JLT,
Jumeirah Business Center 2,
Jumeirah Lake Towers
Dubai
United Arab Emirates