PLASTIC FLAKE SORTING

ADVANCED SENSOR-BASED SORTING TECHNOLOGY FOR OPTIMIZED RESULTS
PLASTIC FLAKE SORTING: CONSISTENTLY EXCEPTIONAL QUALITY

YOUR CHALLENGE: ACHIEVING HIGH PURITY
Highest purity PET flakes intended for the production of new transparent bottles must offer purity higher than 99.99% (<100 ppm). Anything less could prevent the use in bottle-to-bottle applications.

OUR ANSWER: ACHIEVE HIGH PURITY – CONTINUOUSLY
AUTOSORT FLAKE analyzes and sorts flakes precisely by color and material, including metal. By combining a field-proven mechanical setup with advanced sensor technology to ensure precise sorting for even the smallest grain size.
THE SOLUTION: SEAMLESS AND FLEXIBLE

Plastic flakes are screened into grain size fractions of 2 and >2-12mm.

The AUTOSORT FLAKE detects color (transparency) and material (EG: PVC, colored PET, PE, PP, ferrous and non-ferrous metals... etc.) of the fine particles – all at the same time, ejecting impurities and undesirable colors.

The result: PET with extremely high – and constant – purity with very low material loss (<100 ppm), meeting the requirements of bottle-to-bottle recycling.
THANKS TO THE PARTNERSHIP WITH TOMRA, WE’VE BEEN ABLE TO OPTIMIZE OUR PET RECYCLING OPERATIONS. BY COMBINING AUTOSORT (BOTTLE SORTER) WITH AUTOSORT FLAKE (FLAKE SORTER), WE’VE INCREASED OUR HIGH-QUALITY PRODUCT YIELD BY 200%, RESULTING IN CONSIDERABLY HIGHER REVENUE – ALMOST IMMEDIATELY. THROUGH THE CENTRAL CONTROL COMPUTER (CCC) WE ARE ABLE TO MONITOR, CONTROL, AND GREATLY IMPROVE OUR PRODUCTION ON A REAL-TIME BASIS. AT EVERY STAGE, THIS INVESTMENT DECISION HAS RESULTED IN QUICK PAYBACK!

David Bourge, Directeur de site Suez, Regene Atlantique
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

REMTELY ACCESSIBLE ONLINE STATISTIC OF PROCESS MATERIAL

SUBSTANTIALLY LESS DOWNTIME, GREATER OUTPUT STABILITY AND LOW ENERGY CONSUMPTION THROUGH PATENTED AND PIONEERING TECHNOLOGY

FIELD-PROVEN PROCESS AND MACHINE DESIGN DEVELOPED WITH INDUSTRY PARTNERS

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