

SORTEX in plastics:
**Unlock your process
potential**

Plastics with Bühler

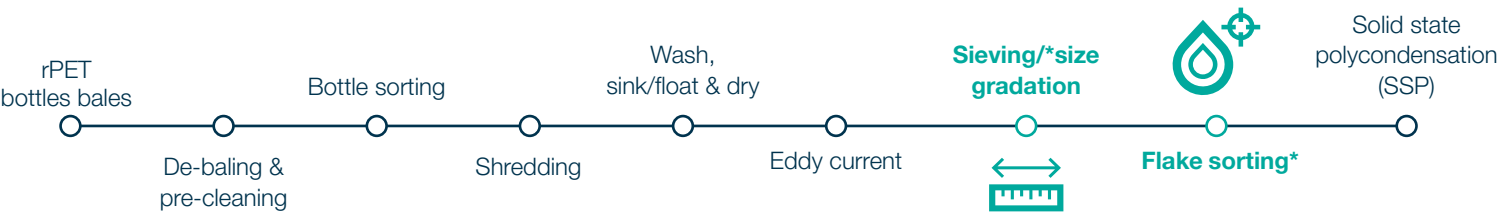
Leading the challenge to reduce plastic waste

Today's recyclers seek excellence in achieving high-quality recyclate for food and other applications, while attaining good yields and a low cost of ownership.

When it comes to plastic recycling, we understand that there's no one-size-fits-all solution. At Bühler we offer a wide range of complementary technologies that can be configured to deliver tailored solutions, combined with a deep applications experience.

With decades of optical sorting and plant engineering experience, we are able to add significant value to your business by providing consultation and support on a holistic level.

Typical bottle recycling line



*Provided by Bühler

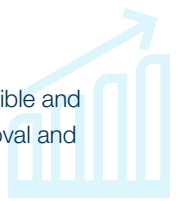
Choose SORTEX from Bühler

Tailored and efficient solutions for plastics recyclers



Performance that sets you apart

Our machines are designed for plastic sorting performance. With cameras to spot an unrivalled range of visible and non-visible defects, and an engine that keeps up with your demand, we are industry leaders at defect removal and improving your profit margins in plastic sorting.



Customer proximity for fast support

Bühler is in the region, for the region. We have a physical presence around the world thanks to our dense network of Bühler service stations and committed channel partners. We understand local requirements and support you in no time in case of an emergency.



Data insights to keep uptime high

Our sorting machines are Industry 4.0 ready and allow you to gather valuable data for better and faster decisions. SORTEX Monitoring System dashboards can be accessed remotely to provide full transparency of your operations and insights in real-time.



Easy operation to reduce human error

Unmatched ease of use without requiring operators to have in-depth technical knowledge. Sorting performance is easily maintained and adjusted with individual defect removal control to meet your needs in the best possible way.



Quality to thrive

With 75 years of experience as innovators of optical sorting, quality and reliability are what we are known for. We enable you to achieve a maximum yield, eliminate impurities, and have peace of mind knowing that your product consistently surpasses regulation standards.



Plastic quality you can count on

We contribute to the circular economy of plastics by providing optical sorting solutions which maximize your processing capacities and deliver high output of pure product.

Bühler's range of optical sorters use high definition color cameras, AI sorting algorithms, shape recognition, and dedicated polymer detection systems to deliver the best-in-class outcomes for your success.

Innovation is our driving force, providing our plastic customers with the tools they require to maximize profitability and meet regulatory standards.

Sorting technologies to effectively address your specific needs.

PET recyclers benefit from the multiple technologies brought to them with the SORTEX A GlowVision and the SORTEX N PolyVision. These high performance flake sorters can also combine to remove an unrivaled range of color, polymer and foreign material defects for reliable food-grade PET flakes.






PVC recyclers can reclaim high-grade post-consumer/post-industrial materials by removing typical defects like colors, wood, glass, and silicon using the high-definition cameras and enhanced InGaAs technology of the SORTEX H SpectraVision.

For pellet sorting applications, our high-definition color and shape recognition technologies tackle color variations, spot defects, and misshapen/clumped pellets.

Recyclers of all types of HDPE, PP, and other plastics benefit from the color sorting/grouping performance of the SORTEX J SpectraVision and SPARK Pro models.

A portfolio to fit your unique requirements

Contact your local representative for a full list of product features and specifications.

	Color		Color & Polymer		Polymer
	SPARK Pro	SORTEX J SpectraVision	SORTEX H SpectraVision	SORTEX A GlowVision	SORTEX N PolyVision
					
Chutes / widths	1 - 10 (300mm)	1 - 7 (300mm)	1 - 7 (300mm)	3 - 5 (300mm)*	1 - 3 (600mm)
Inspection system	RGB, LED lighting	RGB(l), LED lighting	RGB, Enhanced InGaAs, LED & Xenon lighting, Shape	GlowVision technology	NIR, Full-Color
Recommended application	All applications	All applications	u-PVC, WEEE, Pellets	PET	PET
Certification	CE	CE, NRTL	CE, NRTL	CE, NRTL	CE, NRTL
Digital solutions**	–	SORTEX Monitoring System, OPC-Connect	SORTEX Monitoring System, OPC-Connect	SORTEX Monitoring System, OPC-Connect	SORTEX Monitoring System, OPC-Connect

*All sizes in 5 chute frame
**Optional

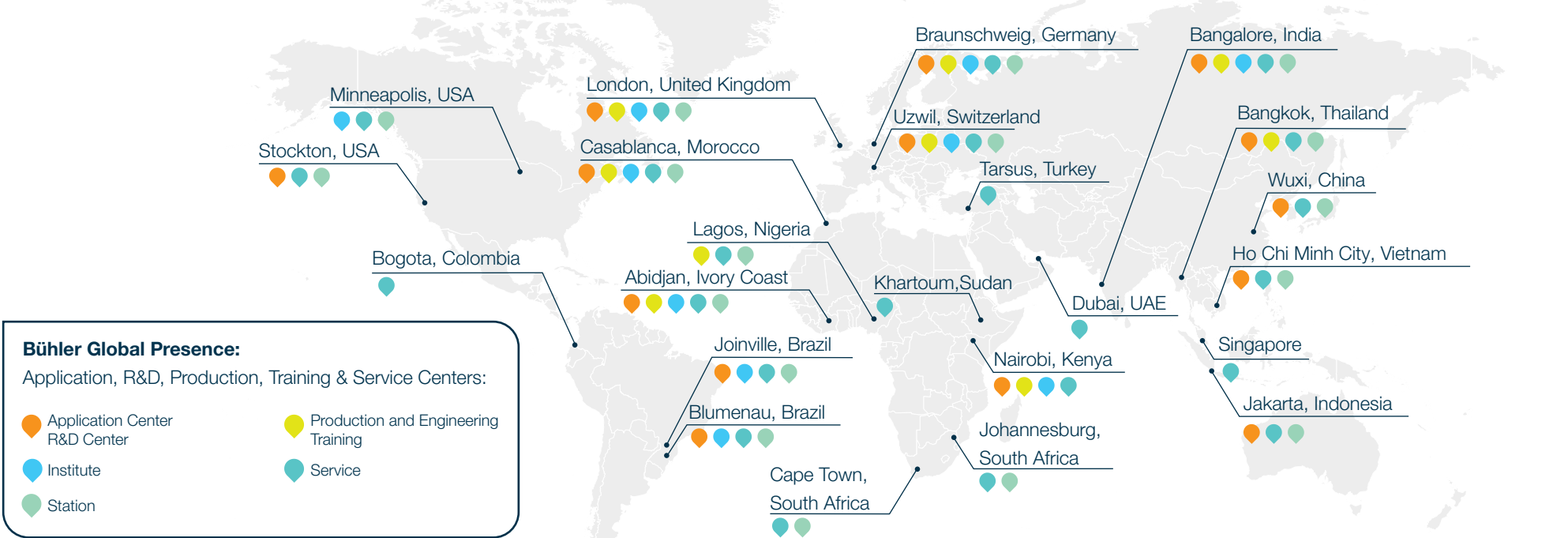
By your side for success

With service stations and personnel in over 140 countries, we are there for you, wherever your recycling facility is located. Our Total Care solution is designed to address your every need. From machine maintenance and parts supply to weekly reports and expert consultations, you can be confident that your plastic sorting machines are kept running efficiently, at optimal capacity, and delivering maximum return on investment.

With a global network, and over 25,000 color sorters installed worldwide, we understand the competitive environment of plastic recycling and the importance of minimizing downtime and safeguarding profit margins. That's why our solutions are designed to operate in production plants of all sizes, helping our customers achieve higher productivity and profitability.

We take partnership seriously. Our local and global teams provide expert advice, consultation, and machine maintenance, helping you stay ahead of future challenges. We also perform testing and trials to ensure your solutions are tailored to your specific needs.

Our advanced digital solutions bring visibility and peace of mind to your process. With Bühler Insights, you can access the data that creates change. Respond quickly to downtime with alerts, analyze the quality of your supplier's material, and receive real-time data to maintain your highest product quality. If you are looking for a solution for human handling and error, our sorters are easy to use (requiring less training) and automated, to ensure reliable performance. Like a perfectly fitting puzzle piece, our solutions integrate seamlessly into your process line, enabling the consistent quality your business needs to thrive.



Bühler Group



sortex@buhlergroup.com
www.buhlergroup.com/sortex

BSOL Brochure Plastic sorting en 12/24 Z&B 242303