

Coffee with Bühler

From green bean to roasted and ground coffee

Bühler is a leading global supplier of equipment for coffee processors, from grain handling, mechanical cleaning and drying to roasting and grinding. Optical sorters play a critical role in this process, ensuring clean, defect-free coffee of the highest quality to enable producers to meet the demands of the modern consumer, protect their equipment and keep their investments safe.







Partner with Bühler SORTEX

The complete solution for coffee processors

Performance

SORTEX optical sorters set the industry performance benchmark. No matter what criteria is most important to you, you no longer have to compromise. Our machines offer the best accept quality with the highest reject concentration at industry-leading throughput rates. This is why Bühler is the leader in green coffee sorting, trusted by all major exporters and importers to get the best coffee in their cups.

Customer proximity

Bühler is in the region, for the region. We have physical presences in each coffee region 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.

Digitalization

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.

Ease of Use

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

Our SORTEX machines are built to the highest quality standards in London and Blumenau and are designed to operate in the most challenging environments. We support our machines and continue to supply spare parts for at least 10 years for all our machines. In addition, we continuously develop upgrades for existing machines to further enhance performance and increase the longevity of our sorters.

Coffee sorting applications

Recommended machines

"I have been pleased with the performance and processing gains made by our SORTEX machines in Asia. The before and after sales support has been a collaborative and positive experience"



James Dargan,
Head of APAC at SUCAFINA

1. Green coffee sorting for export

Removing typical color defects in green Arabica and Robusta beans is critical in order to achieve the required quality prior to export.

Our machines offer the highest throughput and operate reliably to deliver consistently high performance, even in the harsh environment of a coffee mill.

Recommended machines: SORTEX H SpectraVision, SORTEX J SpectraVision, Bühler DA MultiVision

Input



Accept



Reject



Typical defects

- Black, mouldy, immature or sour beans
- Subtle defects such as parchment, partial and insect bites
- Foreign material such as stones, plastic and glass

2. Foreign material removal from imported coffee

Removing foreign material ensures the highest food safety, protects your brand and avoids damage to other equipment such as grinders. Fine-tuning the color sorter to work in harmony with other mechanical cleaning equipment can further improve the overall performance and increase the yield of the cleaning line.

Recommended machine: SORTEX H SpectraVision

Input



Accept



Reject



Typical defects

- Sticks and stones, including those of similar colors
- Plastic and glass
- Other remaining coffee defects

Coffee sorting applications

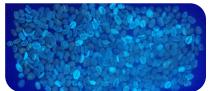
Recommended machines

3. Green coffee sorting for specialty coffee standard

Removing invisible second-grade defects which negatively affect your standards. Traditional color sorters often cannot see such defects, but alternative detection systems from SORTEX can.

Recommended machine: SORTEX A LumoVision (in combination with a traditional color sorter)

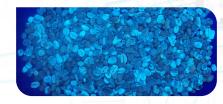
Input



Accept



Reject



Typical defects

- Fluorescent defects
- Aflatoxin reduction
- Mouldy & infected beans

4. Roasted coffee sorting

Removing lower quality beans after roasting which affect taste and uniform look. Foreign material is also removed for a final quality check.

Recommended machines: SORTEX H SpectraVision, SORTEX A ColorVision, SORTEX J SpectraVision, Bühler DA MultiVision

Input



Accept



Reject



Typical defects

- Under and over-roasted beans
- Foreign material
- Quaker

Optical sorting solutions

For the coffee industry

Flexible Solutions

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

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SORTEX J SpectraVision Bühler DA MultiVision



Available sizes	1 to 7	3 to 5	1 to 7	1 to 5
Camera Technology	SpectraVision	LumoVision	SpectraVision	MultiVision
Recommended application (see previous pages)	1, 2, 4	3	1, 4	1, 4
InGaAs Cameras	Enhanced	-	-	-
Lighting Technology	High-Intensity Xenon & LED	Narrow Band LED	High-intensity LED	LED
Operating System	MerlinAi	ProSortX 4.0	MerlinAi	ProSortX
Certification	NRTL, CE, (Optional: HazLoc & ATEX)	NRTL, CE, (Optional: HazLoc & ATEX)	NRTL, CE	-
SORTEX Total Care				-
SORTEX Monitoring System (1st year)	•			-
SORTEX Data Integration & Control				-





Transparent insights

With Bühler's digital solutions

SORTEX Monitoring System

Spot it. State it. Sorted.

SORTEX Monitoring System provides an overview of the key performance indicators of your Bühler SORTEX machines and delivers actionable insights to increase your productivity, yield, and efficiency. Transform your plant digitally in line with Industry 4.0 standards and make informed decisions from anywhere.

SORTEX Data Integration and Control

Control your sorters, shape your business.

SORTEX integration services enable customers to fully integrate the SORTEX with their local automation system or preferred data analytics platform.

Collect data locally and control sorter settings directly from the automation system. Harness the power of SORTEX data; aggregate SORTEX data with data from other equipment to gain visibility of your entire process.



Increase productivity & reduce waste:

Monitor the sorter's performance closely to optimize product quality and yield.



Act fast & save money: Spend less time supervising and get notified by real-time alarms.



No technical skills required: Take advantage of historical data to benchmark across batches, shifts, suppliers, and multiple production sites.

A lifetime partnership

There for you at every step of your journey

We are here to help you 24/7, providing customer service that you can depend on. From maintenance and product testing, to training and digital services, our aim is to boost your production performance and ensure an unmatched quality of final product for your customers.



Defining your solution

Send us your technical requirements and product photos. Depending on the application, choose from our tried and tested solutions or create a bespoke solution, either virtually or within one of our 14 application labs around the world.

Based on the test results, we collaborate with you to create a bespoke SORTEX solution that you are confident in, that will suit your unique processing requirements and increase your business performance.

Manufacturing your sorter

With 32 manufacturing sites around the world, we have a very high in-house production capacity, including the development of intricate cameras and sensors. Our optical sorters are not built on stock, but rather based on your specific needs.

Reduce your footprint

As a company, we want to balance the needs of the economy, humanity, and nature, and we are committed to developing a pathway to achieve a 60% reduction of greenhouse gas emissions in our own operations by 2030. Optical sorters play a critical role in reducing waste as we look to support our customers to measure and reduce their own emissions. We are committed to having solutions ready to multiply by 2025 that reduce energy, waste, and water by 50% in the value chains of our customers. To learn more about the impact of Optical Sorting, or to quantify the environmental footprint of your own sites and products, **contact your local Bühler Sales office.**



Here when you need us

As a member of the Bühler family we offer you a range of aftercare solutions to enjoy, including: Tests, repairs and remote support from our Service Engineers based at 98 Bühler service stations around the world.

myBühler portal – our trusted customer portal, providing you with all the information you'll need to run your SORTEX machine.

TotalCare – our service package for repairs and performance optimization. Retrofit services – allowing you to update

or upgrade your machine, increasing its lifecycle.



Our sorters are intuitively designed for easy operation and flexibility with quick product changeovers. We offer operator training courses conducted by our Service Engineers on-site at your plant.



Performance optimization

Improve productivity with Bühler Insights, our digital service platform. Monitor and control your sorting performance remotely with real-time data and take actionable steps to increase performance.



Using integration drawings, the machines are fitted and tested by our experienced and highly trained local language speaking Service Engineers. They connect the machine to your plant's automation system using PLC or other plant networks.





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