

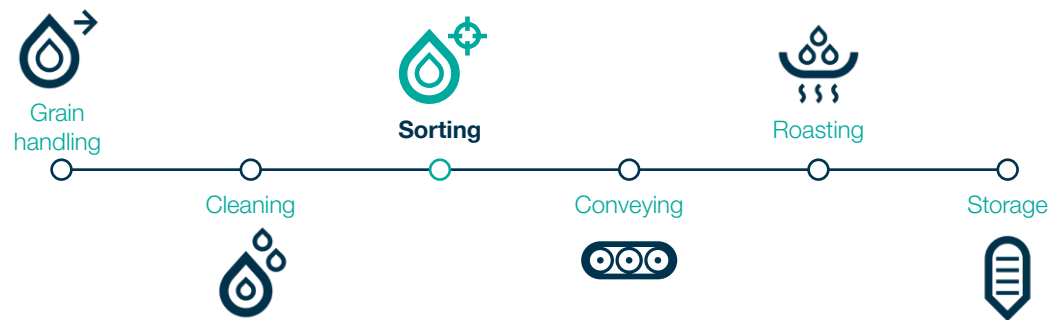


Bühler SORTEX  
**Coffee Sorting  
Solutions**

# 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

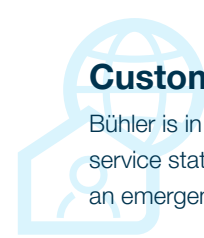
Our sorting machines are Industry 4.0 ready and allow you to gather valuable data for better and faster decisions. SORTEX Monitoring System dashboards can be accessed remotely to provide full transparency of your operations and insights in real-time.

### 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 SPARK Pro

#### Input



#### Accept



#### Reject



#### Typical defects

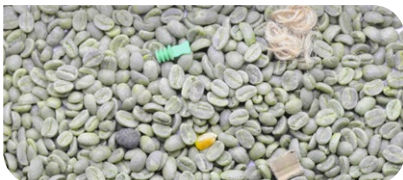
- Black, mouldy, immature or sour beans
- Subtle defects such as parchment, partial and insect bites
- Foreign material such as stones, plastic and glass

### 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

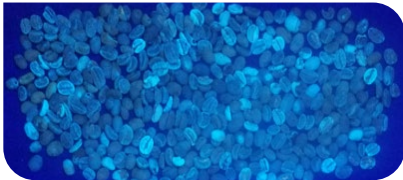
## Recommended machines

### 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 SPARK Pro

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.

**SORTEX H SpectraVision**



**SORTEX A LumoVision**



**SORTEX J SpectraVision**



**Bühler SPARK Pro+**



Available sizes	1 to 7	3 to 5	1 to 7	1 to 10
Camera Technology	Full-Color, Enhanced InGaAs	LumoVision	Full-Color, Standard InGaAs	Full-Color, NIR
Recommended application (see previous pages)	1, 2, 4	3	1, 4	1, 4
InGaAs Cameras	Enhanced	-	Standard	-
Lighting Technology	High-intensity LED and Xenon	Narrow Band LED	High-intensity LED & Xenon	LED, NIR
Operating System	MerlinAi	ProSortX 4.0	MerlinAi	DynamoAi
Certification	NRTL, CE, (Optional: HazLoc & ATEX)	NRTL, CE, (Optional: HazLoc & ATEX)	NRTL, CE	CE
SORTEX Total Care	Optional	Optional	Optional	-
SORTEX Monitoring System	Optional	Optional	Optional	-
SORTEX Data Integration & Control	Optional	Optional	Optional	-

 Standard  Optional

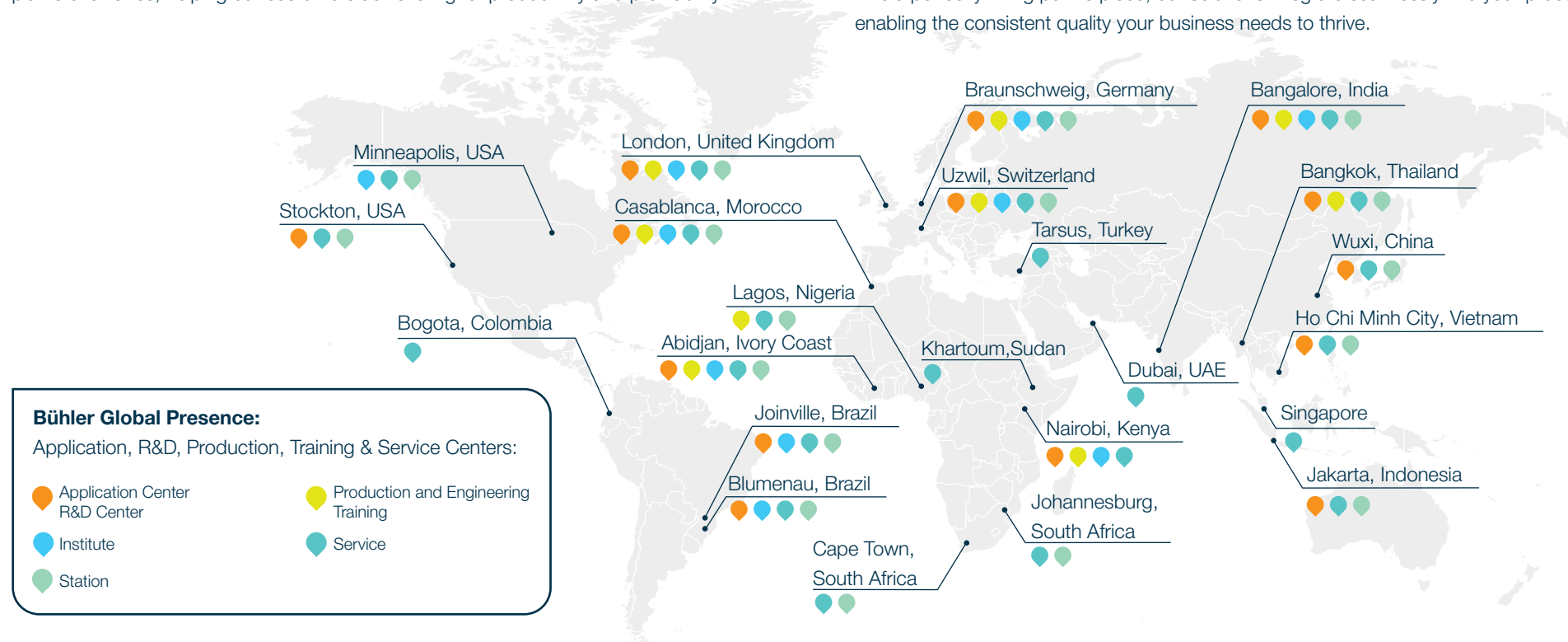
# By your side for success

With service stations and personnel in over 140 countries, we are there for you, wherever your 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 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 food processing 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](http://www.buhlergroup.com/sortex)

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