Innovations for a better world.

SORTEX® B
MultiVision™
Performance and flexibility for multiple applications.
Bühler in partnership with processors.
An integrated partner in commodity processing.

Demonstrating a commitment to help processors get the most value from optical sorting, Bühler’s SORTEX® B MultiVision™ high capacity sorter delivers truly outstanding performance in mainstream commodity sorting applications.

Suitable for a variety of pulse, nut, plastic and coffee applications, the SORTEX B MultiVision™ is available in three frame sizes designed to suit all capacity requirements.

Incorporating superior feed and vision systems including Bühler’s PROsize™ technology, a detection solution which sorts objects based on size characteristics to maximise product uniformity and value. The SORTEX® B MultiVision™ uses up to three visible wavelengths for excellent colour sorting capabilities to deliver extraordinary product quality.

SORTEX® optical sorters are always the first choice for processors who seek assurance, functionality and optimised performance.

Benefits
- Optimised sorting performance
- Trusted Bühler quality and reliability
- Greater configuration flexibility and capacity

Suitable for a variety of commodities.
SORTEX B
MultiVision™
Performance and flexibility for multiple applications.
Discoloured, damaged, diseased product or by-product together with foreign material can all affect food safety and product value. Bühler’s comprehensive product portfolio offers processors dependable solutions for conventional sorting applications to maximise yield, increase profitability and ensure consistent product safety.

**Precision and Power**

**Reliable performance.**

Bühler experts conduct stringent tests on a variety of pulse products with the SORTEX B MultiVision™ ensuring detection of all defects while delivering excellent yields with little rejection of good product.

Bühler trials on coffee showed the SORTEX B MultiVision™ successfully delivers safe, clean produce. Analysis on green and roasted coffee showed outstanding colour separation of all defects.

Nut samples tested showed the SORTEX B MultiVision™ successfully removes a variety of subtle colours including subtle yellow defects and insect damaged products.

**Suitable for a variety of commodities.**

Pumpkin Seeds  |  Roasted Coffee  |  Plastics  |  Red Lentils  |  Sesame  |  Chickpeas

SORTEX B MultiVision™
Optimising conventional and challenging sorting applications.
Plastics

Trials using assorted plastics samples have proven the SORTEX B MultiVision™ delivers excellent efficiency in the removal of unwanted subtle contaminant colours and metals as well as other challenging foreign material.
SORTEX B MultiVision™

At a glance.

1. **High capacity**
   Available with up to 5 chutes and with customised options to meet individual sorting requirements.

2. **Long life, low energy consumption LED lighting**
   The SORTEX B MultiVision™ includes Broadband LED lighting for excellent illumination and enhanced defect recognition.

3. **Custom built-cameras**
   High resolution colour cameras with up to three wavelengths for excellent colour sorting capabilities.

4. **SORTEX ProSortX™ operating software**
   Intuitive navigation control and user functionality, simple to set up and use.

5. **Product Modes**
   Featuring up to 100 user-defined modes.
6 Product Tracking
Provides consistent product quality by registering changes in input and product colour variation, adjusting inspection settings automatically.

7 Simultaneous re-sorting
Maximises recovery of good product by providing the highest reject concentration.

8 Automated Background
Background adjusts as light levels vary delivering consistent operation.

9 Remote access for real-time monitoring
Bühler engineers can monitor the performance of the sorter remotely.

10 Low power and air consumption
For reduced operational costs.
Dynamic inspection and ejection systems

Bühler’s high resolution cameras are designed and built in-house with high-resolution optic sensors that deliver the colour registration needed to detect defects and foreign material. When combined with Broadband LED lighting, the sorters can target defects within the visible spectrum.

Bühler ejectors are custom designed and precision built for high speed, easy serviceability and long life. Through constant development, the ejectors’ life span has been increased significantly. This efficiency of operation and maintenance enables the low cost of ownership of SORTEX sorters.

SORTEX ProSortX™ operating software

The latest update of Bühler’s proprietary operating software comes with a fresh new interface that’s modern, clean and intuitive to use. Featuring innovative navigation control, impeccable user functionality and simple, easy set-up.

SORTEX PROsize™ technology

Bühler’s PROsize™ technology is a detection solution which sorts objects based on size characteristics to maximise product uniformity and value.

Far advanced from traditional grading solutions, PROsize™ can be employed in situations where product is too delicate or difficult to be sorted using conventional mechanical graders, maximising profitability by distinguishing the premium product.

PROsize™ is an ideal solution to separate under sized products and remove broken produce.
**MultiVision™ Technology**

Trusted SORTEX® technology with high resolution colour cameras front and rear, the SORTEX B MultiVision™ is developed to offer processors solutions for conventional and challenging sorting applications.

Bühler’s unique classifying processors deliver an efficient, robust sorting performance on multiple commodities.

Combining multiple visible wavelengths, the SORTEX B MultiVision™ system classifies the very subtlest of colour variations, unique and specific to each customers sorting requirements.
SORTEX B Sizes and features.
Technical details.

Product options

SORTEX B
- Colour cameras
- PROsize™ technology
- LED Lighting
- Remote Access
- SORTEX TotalCare™
- CE Certification

Available Modules
1 - 5

SORTEX B MultiVision™

For the full feature list and product specifications contact your local representative.

Dimensions / Air and power requirements

<table>
<thead>
<tr>
<th>Machine</th>
<th>Width (Doors Open) mm</th>
<th>Depth (Doors Open) mm</th>
<th>Depth (Doors Shut) mm</th>
<th>Height mm</th>
<th>Weight* kg</th>
<th>Typical air requirements (L/s)* 72-102 psi (5-7bar)</th>
<th>Typical Power consumption (kW)** (200-240V; 50/60 Hz single phase)</th>
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</table>

* Unpacked weight. Figures will vary based on machine specifications
Bühler customers have access to a network of over 140 Sales and Service offices worldwide offering customisable service packages, stock on spares and upgrade kits, to ensure your optical sorters perform at their maximum possible efficiency. Training courses and Competence Centres offering application and product trials are also available at regional sites and local offices around the world.

**TotalCare™**
Create a customised service package, composed of individual service features from the list below.
From scheduled visits, downtime cover to refurbishments and preventative maintenance - basic to fully comprehensive. Designed to ensure your optical sorters continue to operate at peak performance.

**TotalCare Protect**
Minimise Downtime
Based on an agreed number of annual visits, Bühler engineers will replace key wear parts, provide consultation and advise on future maintenance requirements.

**TotalCare Perform**
Performance Optimisation
Aspiring to keep downtime to under 24 hours, sorters will be safeguarded against any failed components. Bühler engineers will ensure first-rate performance once the repair is carried out.

**TotalCare PerformPLUS**
Ejector Refurbishment
Making certain that sorters are running at peak performance, ejectors are replaced when the stipulated life-cycle is reached. Performance is maintained for the future.

**TotalCare Anyware**
Supervised Functionality
Provides a working record of operational information as well as reports that enable machine health to be monitored and preventative maintenance scheduled.

**TotalCare AnywarePRO**
Remote Access and Assistance
Sorter performance can be viewed remotely by customers and Bühler engineers. Faults can be diagnosed and performance optimised in any location using a laptop, tablet or smart phone.

All contract options are available for variable durations.

**SORTEX® Spare Parts Promise**
Customer satisfaction is our priority. This is why we strive to deliver both spare and wear parts within 48 hours - maximising your profitability.

**SORTEX® Upgrade Kits**
Bühler designed various upgrade kits, for existing customers who are seeking to upgrade their sorters with an additional module, new technology features or processing software.

**SORTEX® Spare Parts**
Various kits to suit different optical sorters are available for customers who wish to have spare parts available on site.

**Optical Sorting Training Courses**
Available from various regional Bühler locations. From operator to management, basic to advance, speak to your local representative for course selection and availability.