

Bühler Optical Sorters for Pulses.

Cost-effective, high capacity optical sorting
for pulse processors.



Bühler Sorters.

An integral partner of the pulses industry.

The Bühler range of optical sorters for pulses has been purposely selected to offer pulses processors in selected markets a reliable, high capacity sorting solution for various pulse products.

Depending on the processing requirement the Bühler range for pulses is available in two product models, the Bühler W and Bühler W DualVision™, offering processors a cost-effective sorting solution, equipped with Bühler proprietary softwares and technologies that effectively removes foreign material, product defects including colour and spots.

The Bühler range is the first choice for processors seeking ownership, assurance and functionality of Bühler's optical sorting heritage at an affordable price.

Why Bühler Sorters?

- Trusted Bühler quality and reliability
- Access to Bühler optical sorting heritage and expertise
- High capacities and reliable performance
- Extensive sales and service network across Asia, Middle East and Africa

Sorting Examples

The Bühler range of sorting solution for pulses offer processors flexibility of choice, without compromising on quality. They are suitable for small, medium or large-scale processing and meet the needs of various pulse products. Below are just a few of the many pulse products sorted through the Bühler range.



Accept



Reject



Accept



Reject

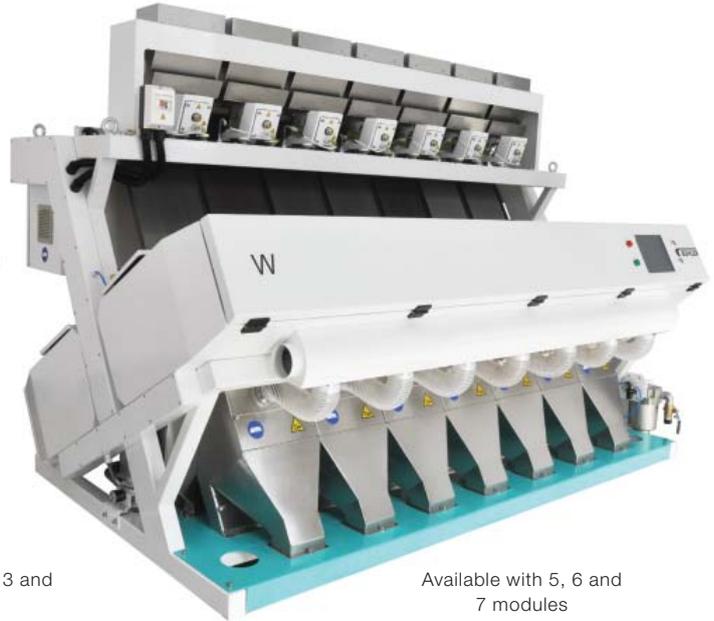


Bühler W.

Reliable, efficient high capacity sorting.



Available with 2, 3 and 4 modules



Available with 5, 6 and 7 modules

Offering up to 7 chutes for high processing capabilities, the Bühler W features proprietary processing software, monochromatic inspection technology and LED illumination system. The Bühler W delivers accurate and reliable accept quality and is a cost-effective solution for a range of pulses.

The Bühler W also features optional tertiary sorting capabilities to provide a dependable and reliable colour sort.

- High processing capacity
- Consistent product quality
- Trusted Bühler design and reliability
- Simple ease of use
- Balanced and stable performance

Dimensions and weight

Model	Width (mm)	Depth (mm)	Height (mm)	Weight (Kg)
2/3/4 Module	2,060	1,610	2,000	1,000
5/6/7 Module	2,920	1,620	2,020	1,600

Remarks: ±10mm tolerance is acceptable by real calculation

Bühler W DualVision™.

Simultaneous light and dark colour sorting.



Available with 2, 3 or 4 modules

Available with four modules, the Bühler W DualVision™ is designed to remove both light and dark colour defects simultaneously as well as spot defects.

Featuring Bühler developed processing software, the Bühler W DualVision™ offers processors entry into Bühler's optical sorting technology and processing expertise, delivering accurate and reliable accept quality and cost-effective operation.

- High processing capacity
- Available with up to 4 modules
- Simultaneously removes both light, dark and spot defects
- Bühler sorting technology

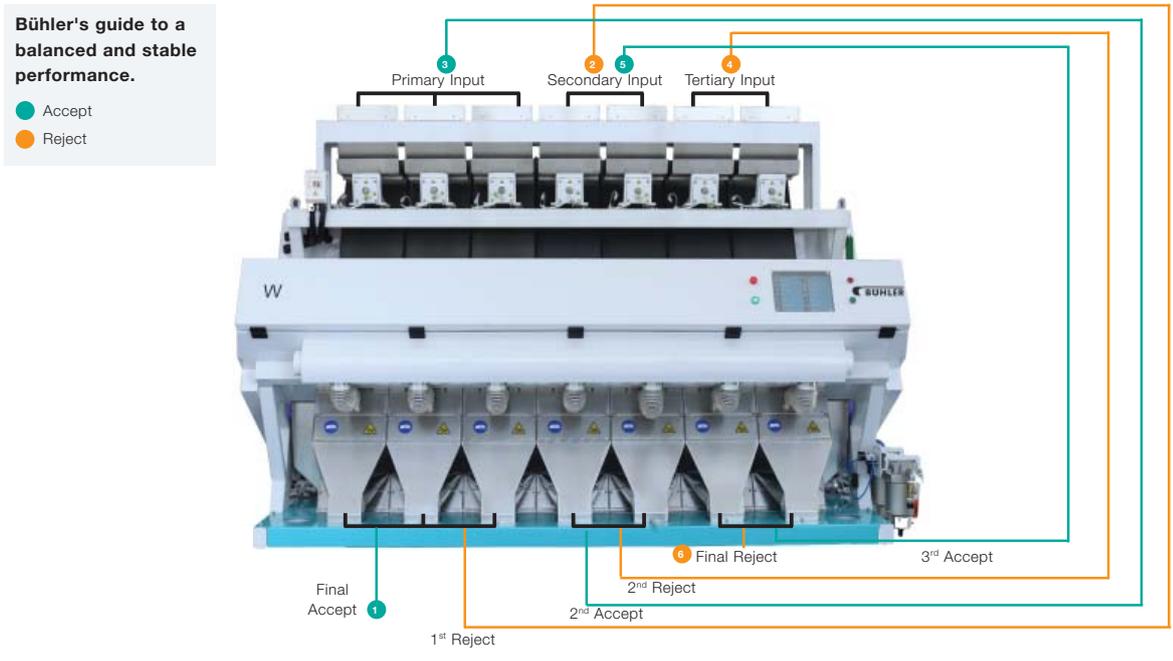
Dimensions and weight

Model	Width (mm)	Depth (mm)	Height (mm)	Weight (Kg)
2/3/4 Module	2,060	1,610	2,000	1,000

Remarks: ±10mm tolerance is acceptable by real calculation

Balanced, stable sorting. The Bühler competitive edge.

Built into all Bühler optical sorting machines is the ethos of balanced and stable sorting. This is what provides Bühler customers with the competitive edge over other manufacturers' machines. This guide explains how we achieve a balanced and stable sorting performance and the benefits it brings - increased revenue, reduced costs and achieve consistent product quality.



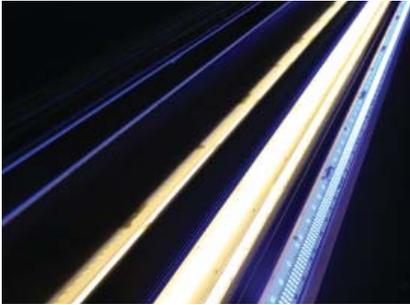
Balanced and stable sorting is ideal for processors running a resort (secondary) and/or a third (tertiary) sort. Optimising the configurations of modules/chutes to perform in a balanced manner avoids unnecessary re-circulation of good product whilst maintaining a consistent percentage of even lower reject concentration during re-sorting.

Balanced and stable sorting is also achieved through a combination of software and technologies pre-equipped in Bühler optical sorters notably; Auto calibration system and Product Tracking/Intelligent Automation. This removes the need for laborious manual set-ups and delivers consistent sorting performance - all day, every day.

Key Benefits

- Consistent accept quality**
 The percentage of accept quality remains consistent throughout the day. Additionally, there is no unsorted product left in the optical sorter once a batch process is completed.
- Product circulation avoided**
 In a balanced and stable sorting, based on a customer's requirements, a Bühler optical sorter intelligently sorts a grain into the reject or accept stream, with no re-circulation of undecided grains stuck in the process loop. This feature reduces the consumption of compressed air, energy use, wear of optical sorter and ensures the optical sorter maximises its capacity.
- Greater product control**
 The reject and accept quality is the true representation of what a Bühler optical sorter can achieve during a batch process as no undecided grain is recirculated. This means that a processor can confidently adjust the accept quality/reject ratio to meet their requirements. This is supported by Product Tracking/Intelligent Automation, a technology unique to Bühler, that maintains the consistency of the performance.

Bühler optical sorting range. Technologies and Customer Care.



LED lighting as standard

Inspection system with LED lighting

High resolution cameras are built in-house with optic sensors that deliver the colour registration needed to detect defects and foreign material. When combined with the long-life LED advanced lighting system, the Bühler optical sorting range can target defects within the entire visible spectrum.



Tertiary sorting is available for maximum yield

Tertiary sorting

Designed to meet every requirement, the Bühler optical sorting range has flexible sorting configuration with tertiary sorting available as an option to deliver exact customer accept quality requirement; maximising yields and revenue.



High speed ejectors

High speed ejectors

Bühler optical sorter feature 64 powerful ejectors per chute. These are built for high speed, long-life span and reliability, enabling a low cost of ownership of the sorter.



Customer Service

Bühler Customer Care

Bühler's worldwide Customer Care organisation provides the highest quality local support, offering a variety of services and solutions to ensure your optical sorter performs to maximum efficiency, delivering productivity and making a maximum return on investment.

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