

# YJT W optical sorting range for pulses.

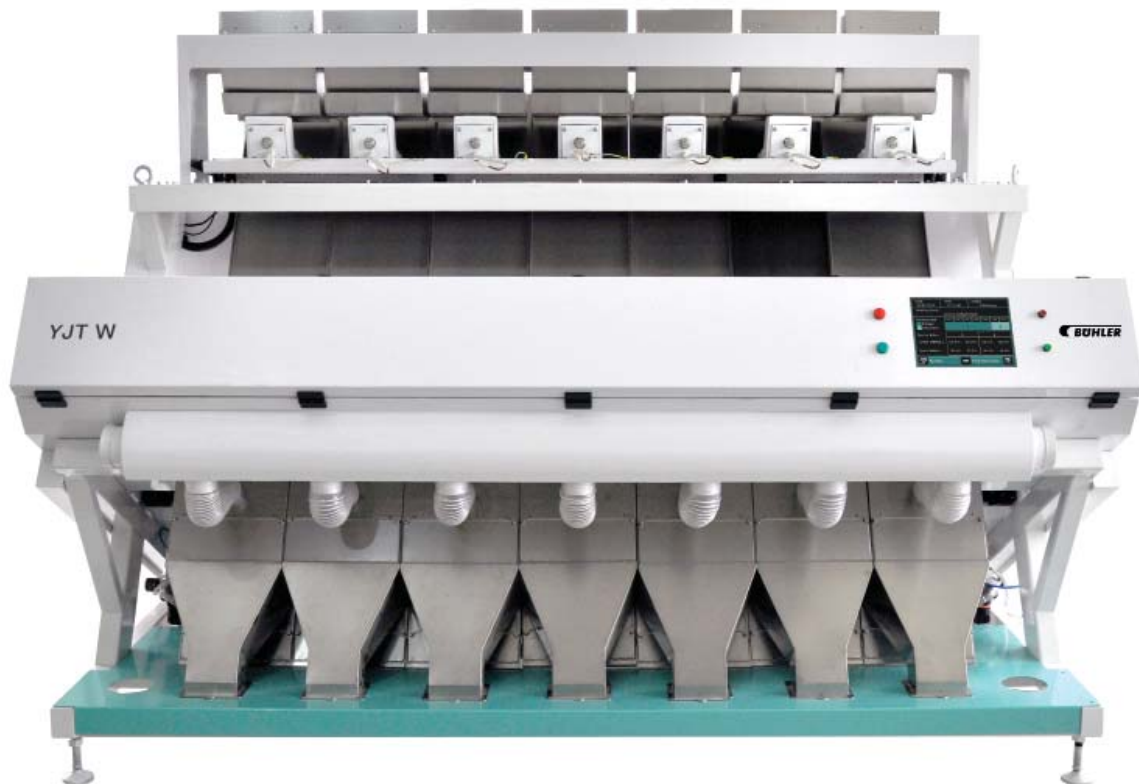
High-efficiency, cost-effective sorting.



# YJT W range.

## High-efficiency, cost-effective sorting for pulses.

**Bühler YJT W range** - Available in two model variants, the standard YJT W and YJT W DualVision™ optical sorters are designed for pulses processors who are looking for a stable and consistent high performance, with flexibility for multi-product sorting at an affordable price.



The YJT W range delivers accurate sorting performance in removing discoloured and tiny spot defects and can be matched to exact customer accept and reject quality requirements through optional tertiary sorting.

The range also features LED lighting and Bühler inspection system for maximum accept recovery on the throughput and when combined with a balanced system and stable performance using automatic product tracking, the YJT W range offers unmatched benefits and high returns.

- Simultaneous light and dark sort
- Flexibility for multiple products
- High capacity and consistent product quality
- Trusted Bühler design and reliability
- Balanced and stable performance

# YJT W optical sorter at a glance.



- 1 High processing capacity**  
Available with up to 7 chutes for YJT W and 4 chutes for YJT W DualVision™
- 2 LED Lighting**  
Enhanced defect recognition through long-life LED solid state illumination
- 3 Custom-built cameras**  
Front and rear high resolution CCD visible cameras to detect all common defect types
- 4 Auto-Calibration**  
The optical sorter automatically reviews and adjusts the sorter set-up on start-up, removing the need for laborious manual set-up
- 5 Automatic Product Tracking**  
The optical sorter consistently scans and automatically adjusts to the incoming product
- 6 Balanced and Stable Performance**  
Consistent accept quality and no product re-circulation maximise revenue and reduce wear on the optical sorter
- 7 Product Modes**  
More than 100 user-defined modes can be saved
- 8 Long life powerful ejectors**  
64 powerful, high speed ejectors per chute for accurate rejection of defects at high capacity
- 9 Fixed Background**  
Static background ensures that all vibration is minimised
- 10 Bühler robust design quality**  
Designed and constructed to Bühler's high quality standards

# YJT W DualVision™.

## Advanced high capacity monochromatic optical sorter.



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

Featuring Bühler developed processing software and LED illumination detection systems, the Bühler YJT 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 4 modules
- Simultaneously removes both light, dark and spot defects
- Bühler sorting technology

### Technical details

| Model                             | Air Pressure | Voltage          | Power | Air Consumption | Capacity                            |
|-----------------------------------|--------------|------------------|-------|-----------------|-------------------------------------|
| <b>YJT W DualVision™ 4 Module</b> | 0.6–0.8Mpa   | 200–240v,50/60Hz | 3KW   | ≤3.2m³ /min     | Primary: 3 to 6<br>Tertiary: 2 to 4 |

### Dimensions and weight

| Model                             | Width (mm) | Depth (mm) | Height (mm) | Weight (Kg) |
|-----------------------------------|------------|------------|-------------|-------------|
| <b>YJT W DualVision™ 4 Module</b> | 1,956      | 1,615      | 1,987       | 1,000       |

\*Pre-condition : < 5% contamination, pigeon pea splits as example.

\*\*Remarks: ±10mm tolerance is acceptable by real calculation .

# YJT W.

High capacity optical sorters for mainstream sorting.



Four module



Seven module

Designed to remove either light, dark or spot defects.

Features a combination of advanced technologies; high definition cameras, customised lighting and high speed ejectors, the standard YJT W offer processors entry into Bühler's optical sorting technology for mainstream sorting.

- High processing capacity with the option of either 4 or 7 modules
- Removes either light, dark or spot defects
- Suitable for mainstream sorting
- Bühler sorting technology

## Technical details

| Model          | Air Pressure | Voltage            | Power | Air Consumption | Capacity                             |
|----------------|--------------|--------------------|-------|-----------------|--------------------------------------|
| YJT W 4 Module | 0.6–0.8Mpa   | 200–240v,50/60Hz   | 3KW   | ≤3.2m³ /min     | Primary: 3 to 6<br>Tertiary: 2 to 4  |
| YJT W 7 Module | 0.6–0.8 Mpa  | 200–240v, 50/60 Hz | 4KW   | ≤4.5 m³ /min    | Primary: 5 to 10<br>Tertiary: 4 to 8 |

## Dimensions and weight

| Model          | Width (mm) | Depth (mm) | Height (mm) | Weight (Kg) |
|----------------|------------|------------|-------------|-------------|
| YJT W 4 Module | 1,956      | 1,615      | 1,987       | 1,000       |
| YJT W 7 Module | 2,920      | 1,620      | 2,020       | 1,600       |

\*Pre-condition : < 5% contamination, pigeon pea splits as example.

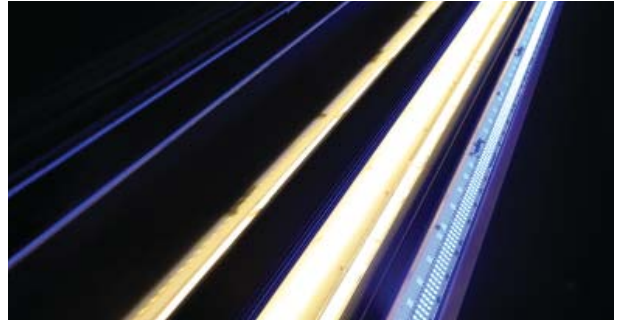
\*\*Remarks: ±10mm tolerance is acceptable by real calculation .

# YJT W range.

## Technology and Customer Care.

### Inspection system with LED lighting

High resolution CCD 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 YJT W optical sorter can target defects within the entire visible spectrum.



LED lighting as standard

### Tertiary sorting

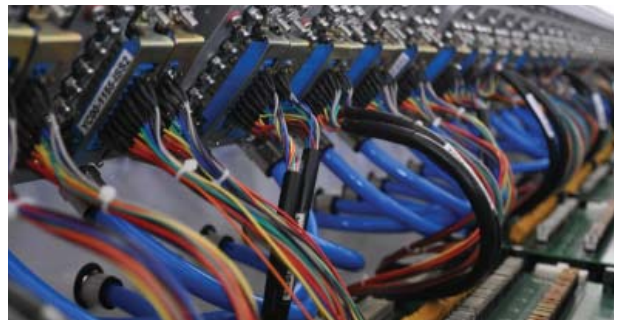
Thanks to a flexible sorting configuration, tertiary sorting is available as an option on the YJT W optical sorter to deliver exact customer accept quality requirement.



Tertiary sorting is available for maximum yield

### High speed ejectors

The YJT W optical sorter features 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.



High speed ejectors

### Bühler YJT Customer Care

Bühler YJT solutions and service ensure that your optical sorter performs to maximum efficiency, delivering productivity and making a maximum return on investment.

Bühler's worldwide Customer Care organisation provides the highest quality local support, offering a variety of services available from the YJT sales and service network.



Quality local support through Bühler's worldwide Customer Care

# Bühler YJT.

## An integral part of the Bühler optical sorting family.

Bühler manufactures the YJT range of colour sorters for selected markets, operating from a new modern 160,000 square metres factory and office in Hefei, central China.

With the YJT optical sorters, Bühler is committed to delivering competitively priced, efficient and reliable optical sorters, supported by continual investment in technology and production systems.



Bühler YJT is an integral member of the Bühler Group and has close links with the Bühler China headquarters and manufacturing facility in Wuxi.

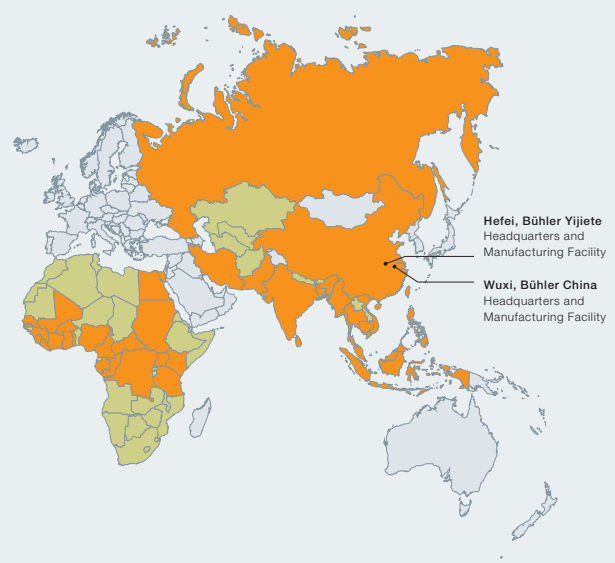
Subsequently, customers benefit from modern local manufacturing facilities, production at appropriate local prices and an effective spare parts distribution service. A strong engineering and fulfillment team works for projects from conception, design to installment, commissioning and start-up to training and hand-over to customers.



### Bühler YJT Sales and Support Network

Bühler YJT optical sorters are available in selected markets through exclusive partners. Local experts are familiar with the products, speak your language, are close to you and provide professional advice, fast support and original spare parts.

- Countries with access to Bühler YJT
- Regions with Bühler YJT sales and service support



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