

A large industrial optical sorter machine, the Bühler DR-C, is shown. The machine is white with a teal base and features a series of sorting chutes at the bottom. The top section has a row of sensors and control units. The machine is set against a background with large, overlapping orange and teal circles.

**BÜHLER**

**DR C**

## **Bühler DR-C optical sorter.**

Cost-effective 3-in-1  
RGB sorting solution for  
rice.

**Validated at Bühler's Optical  
Sorting Headquarters, London.**

# Bühler DR-C Optical Sorter.

## Detect colour, chalky and foreign material – from just one sorter.

Minimise multiple sorting passes, set-ups or additional sorters. Bühler DR-C is our new cost-effective rice sorter that can simultaneously detect colour, chalky and foreign materials. Features new sorting algorithm and Bühler-owned operating system to deliver nearly zero rice yield wastage and ultra-efficient pale and subtle colour defect removal.



### Nearly zero good rice in final reject

Flexible sorting configurations; primary, secondary and tertiary for customisable rice quality criteria.

### 0.15 mm inspection accuracy

Accurate detection of spot defects in rice.

### 3-in-1 sorting solution

Detect and remove colour defects, chalky and foreign materials from just one sorter.

### Accept quality of up to 99.9%

Detect subtle and light colour defects such as yellows, greys, purples, chalky and foreign materials such as plastic and glass with accuracy.

### Validated by Bühler London

Trialled, tested and approved through our Optical Sorting Headquarters in London, United Kingdom.

### Defects that can be removed



Pale to dark yellow



Subtle spots to greys



Immature and rotten grains

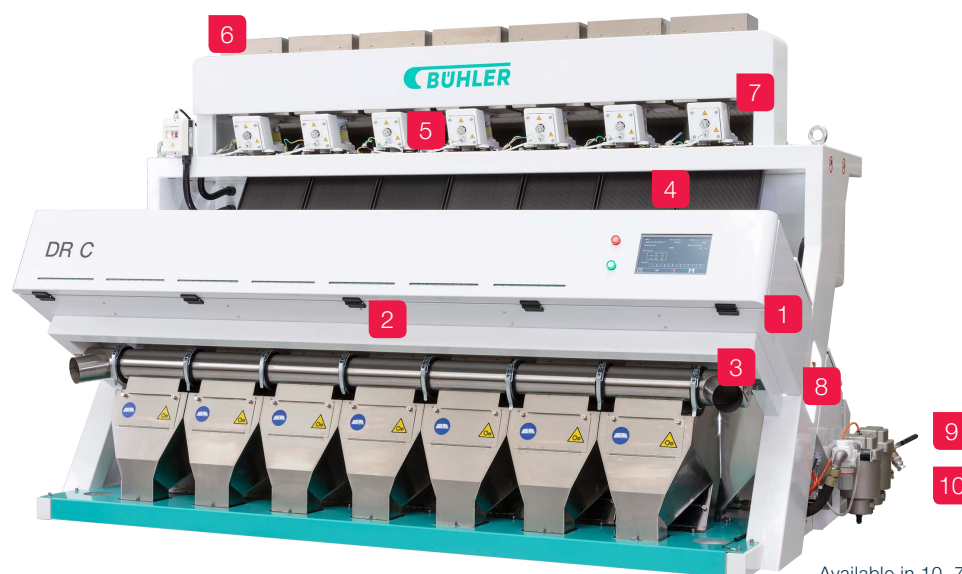


White belly and chalky



Foreign materials

# Features at a glance.



Available in 10, 7, 5, 3 and 1.5 modules.

- 1 High resolution RGB colour cameras**  
Enhances detection of colour defects and foreign materials.
- 2 All-new sorting algorithm and operating system**  
Fast processing speeds with ultra-efficient pale yellow detection.
- 3 64 ejectors per chute**  
Minimise replacement and downtime.
- 4 Channelised chutes**  
Better separation of rice in inspection area for accurate detection.
- 5 Configuration flexibility**  
Easy to configure – primary, secondary and tertiary.
- 6 Available with up to 10 chutes\***  
Sorting in capacities of up to 15 tons per hour.
- 7 Reverse sorting**  
Incredibly high levels of reject concentration – achieve better quality of rice and minimise yield loss.
- 8 Long-lasting LED Lighting**  
Bright and powerful light source across the entire visible spectrum.
- 9 Minimal initial investment**  
Utilising our global advantage, Bühler DR-C is built in regional manufacturing sites, lowering overall costs.
- 10 365 days – local customer service**  
Bühler experts available locally and fast delivery of spares.

## Technical Details

Module	Width	Depth	Height	Weight	Typical air requirements (m <sup>3</sup> /min)** 0.6-0.8 Mpa	Typical power consumption (kW)*** (220v, 50/60 Hz single phase)
	mm	mm	mm	kg		
10	4240	1625	2020	2000	≤6.5	5.5
7	3000	1660	2020	1535	≤5.0	4.2
5	2523	1625	2017	1142	≤3.5	3.5
1.5	1130	1540	1520	410	≤1.5	1.5

\* Subject to region and availability.

\*\* Figures will vary based on contamination levels.

\*\*\* Figures will vary based on machine specifications.

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