

Technical specifications **Xcalibur:**

FRAME

- Sorting widths 720 mm, 1450 mm and 2000 mm
- CE-certified, IP65
- Easy access for maintenance and cleaning

CAMERAS

- High-speed cameras
- Monitoring of camera signals and live images
- Multi-angle display

SOFTWARE

- Colour and length recognition settings
- Limitless product classification rules and reverse sorting
- Software-based shadow correction
- Live camera image
- Cleaning cycle

AUTOMATICALLY ADJUSTABLE VALVE UNIT

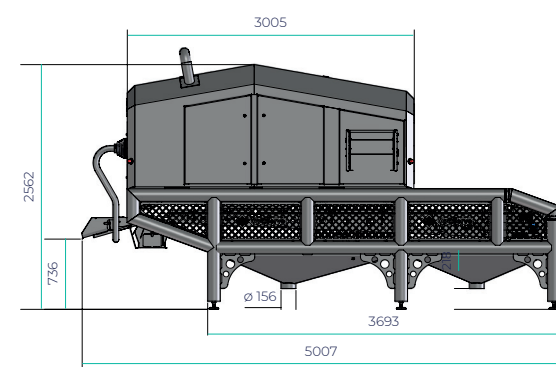
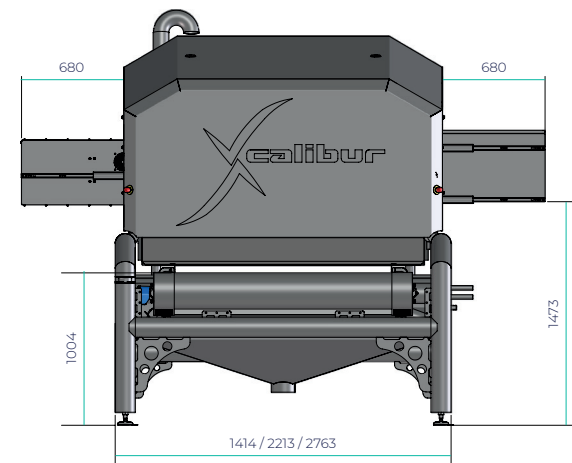
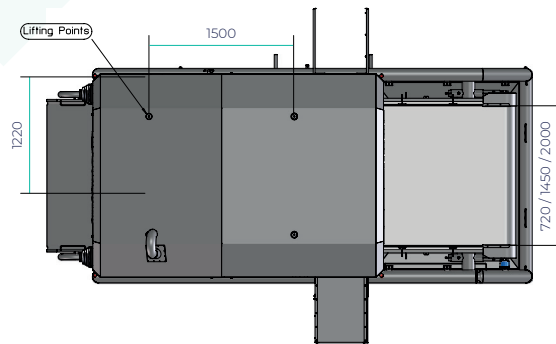
- The fastest valves
- Structurally integrated air valve unit, height-adjustable for every product type
- Compressed air is dried and filtered to 0.01 mu
- In accordance with ISO 8573-1:2010, class 1.4.1

ILLUMINATION

- High-intensity diffused illumination
- Special illumination tunnel, can be opened from inside of compartment for easy cleaning

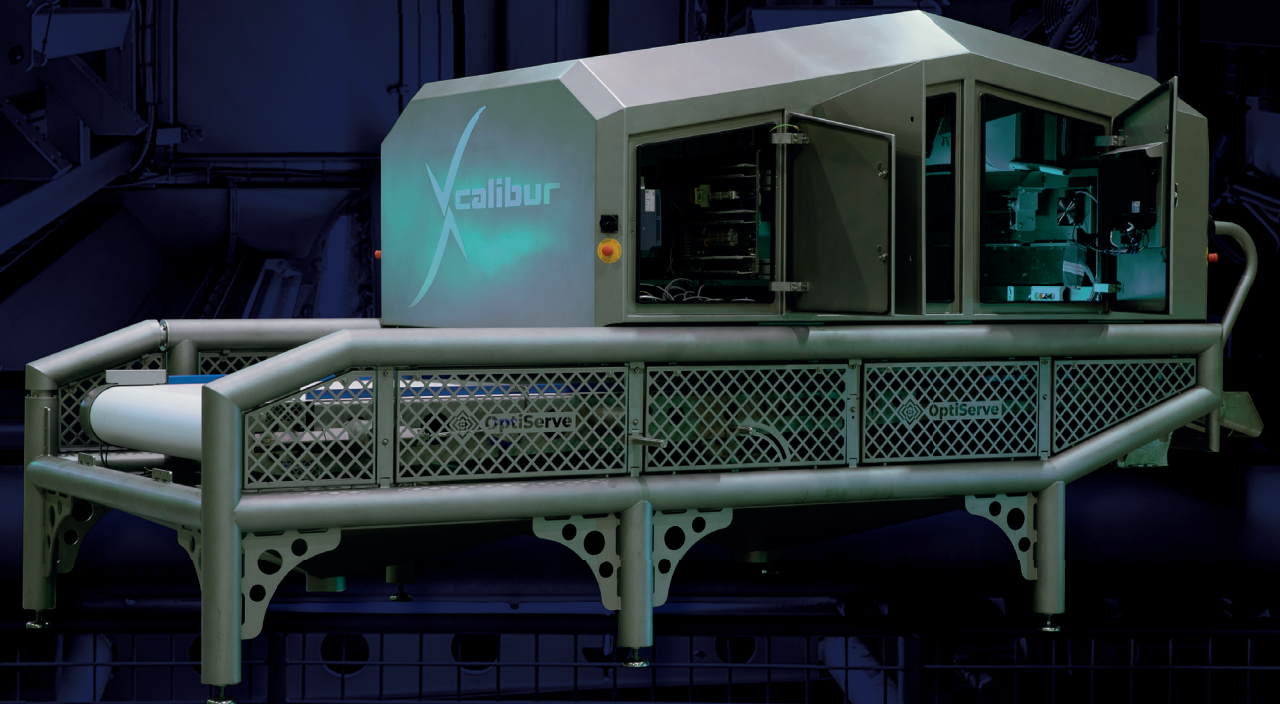
CLIMATE CONTROL

- Certified industrial air-conditioning unit for optimal temperature and humidity control



OptiServe

Innovative **Sorting** Solutions



Advanced **quality control**
of your optical **sorting process**

Specially designed for the following industries:

Food: Potato products • Fruit • Vegetables • Seafood • Confectionery
Nuts, grains & seeds • Pet food • Rock salt • Sea salt
Non-Food: Metal ore • Quartz sand • Bath salt • Grind • Tobacco leaves
Recycling: PET flakes • Glass • Wood chips

Xcalibur does more than just sort. It classifies. On the basis of colour, length, shape and structure, the Xcalibur can scan and arrange objects and remove them using intelligent pneumatic ejection. **And that's just the tip of the iceberg...**



RELAX, WE'LL SORT IT OUT!

WWW.OPTISERVE.NL



INTELLIGENT
PUFFING

PATENTED

The Xcalibur uses smaller, more directed air pulses that are fully adjusted to the specific object, greatly reducing sorting error. The smart software systematically scans and sorts the objects. This patented intelligent ejection system ensures that far fewer good products end up in the waste stream.



ADVANCED
CLASSIFICATION

With its advanced object recognition using the special vision module, the Xcalibur is one of a kind. Xcalibur does more than just sort. It classifies.



BELT
SPEED

The Xcalibur's detection belt reaches a speed of up to 5.2 m per second. This increases production capacity and helps with distribution on the belt.



THREE-WAY
SORTING

Optionally available with an additional ejection module, enabling a second group of defective products to be pneumatically ejected separately.



REVERSE
SORTING

In a reverse sorting process in the reject stream, the good products are sorted from the process instead of the defective ones. The defects go straight to the waste stream.



ENERGY-EFFICIENT

The Xcalibur operates with a lower air pressure and uses directed air pulses lasting just 1-2 milliseconds; as a result, up to 50% less compressed air is used and there is also less noise disturbance.

Properties Xcalibur:



ECONOMIC
SORTING

With this optional module, the user can set how many and what kind of defects the machine should sort.



REMOVABLE
DETECTION TUNNEL

The detection tunnel can be easily and quickly removed, making maintenance a straightforward task. If the tunnel needs to be cleaned, it can be temporarily replaced with another clean tunnel, avoiding unnecessary production process interruptions.



AUTOMATIC
SORTING MODE

With a fully automatic and adjustable pneumatic ejection and separation unit you can quickly and easily activate different types of product set-up. The settings, such as belt speed and pneumatic ejection unit, are very easy to change.



SAFE AND
HYGIENIC FRAME

The Xcalibur is a robust yet intricate machine; it is fully finished with round materials without any inconvenient protruding parts. This makes it extremely maintenance-friendly.



PROACTIVE
MONITORING SERVICE

We detect problems before they even happen. OptiServe keeps an eye on your production process, detecting any problems and making adjustments by means of remote support where possible. Completely remotely.