



# TRIPLUS

The TRIPLUS is an optical sorting machine specially developed for sorting products with miscellaneous defects. During their free fall through the machine, discolorations, shape deviations and undesirable constituents are detected in the product flow and these defects are removed with high precision via air valves or mechanical ejection fingers.

The use of TRIPLUS not only leads to a higher quality of your end product, but also to lower and more predictable production costs.

The TRIPLUS has an innovative, controlled product feed, which is able to adapt to the size of your product. An optional stabilization belt ensures that the products reach the inspection and ejection area at the same speed. This controlled product supply increases the certainty with which good and bad products are detected and ejected. You can see this reflected in the quality of your good product and the optimal good-to-bad ratio.

- compact freefall sorter
- durable LED lighting
- advanced cameras
- 3R laser class
- excellent good-to-bad ratio
- sorting on the basis of color, shape and structure
- 24/7 (remote) Service
- maintenance friendly
- fast product switching
- extremely user-friendly operation

The modular construction of the TRIPLUS makes it possible to select the perfect combination of camera, laser and other techniques for the best sorting results. In addition, 3 different sizes are available so that the machine is perfectly adapted to your production capacity. The optional dual ejection section allows the product flow to be separated into three streams, for example:

- Accepted product
- The product to be processed
- Foreign constituents

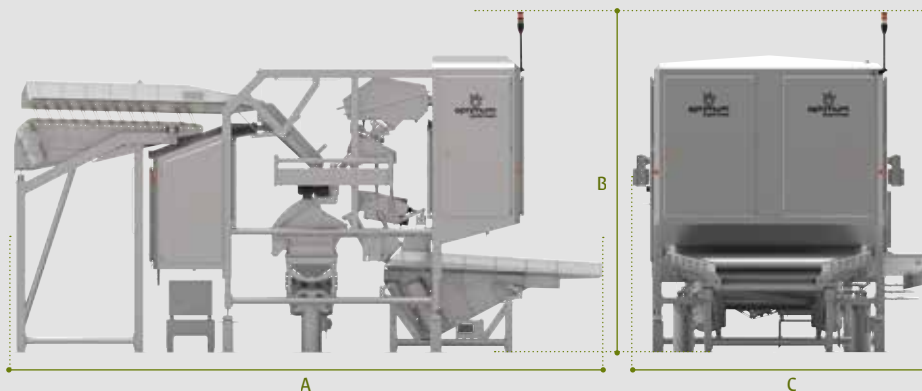


## THE TRIPLUS CAN BE USED IN MANY DIFFERENT APPLICATIONS.

### A few examples:

Whole potatoes, peeled or unpeeled as well as in processed state such as frozen French fries. Various types of vegetables and these both whole as well as cut in fresh or frozen state. With these you can think of carrots, beans, and also more exotic types of product such as edamame

**Ask our sales team about the possibilities in your application. Our demo centers are at your disposal to attend a comprehensive test on your product so that you can assess in advance what our machine can do for you.**



**TRIPLUS**

[mm]	A	B	C
800	6200	3150	2500
1200	6200	3150	2500
1800	6200	3150	3100

These are indicative values. Detailed drawings are available on request

■ standard    ○ option    ✕ not available

		TRIPLUS		
Type		800	1200	1800
Machine type		Free Fall Sorter		
Inspection width		840 mm	1200 mm	1800 mm
Network		Ethernet		
Camera	Monochrome, RGB, iRGB	■	■	■
	InGaAs	○	○	○
	XIP	✕	✕	✕
Laser	IR, SWIR, VIS, Fluo	○	○	○
	Class	3R	3R	3R
Camera configurations	5/6 configuration	✕	✕	✕
	Perpendicular	✕	✕	✕
	Front/rear	■	■	■
Lighting	Hi frequency fluorescence tubes	✕	✕	✕
	LED (white)	■	■	■
	LED (UV)	✕	✕	✕
	LED (IR)	○	○	○
Sorting modes	TwoWay	■	■	■
	ThreeWay	○	○	○
Reject valves	Pitch 5,25 mm	✕	✕	✕
	Pitch 7,5 mm	112	160	240
	Pitch 10 mm	84	120	180
Reject flippers	Pitch 40 mm	21	○ 30	○ 45
Noise level		80 - 100 dB(A) using reject air valves		
Electrical supply	Voltage	400 Vac		
	Phases	3F+N + aarde		
	Frequency	50 Hz / 60 Hz		
	Power	5,5 kW	6,3 kW	8,3 kW
Water supply	Quality	Chiller, closed circuit with glycol		
	Average consumption	n.a.	n.a.	n.a.
	Temperature	20°C		
	Pressure	1-3 bar		
	Connection	n.a.		
Compressed air	Quality	ISO norm 8573-1:2010		
	Class	1.4.2 Norm		
	Filter	0,1 µ - Dry		
	Air connection	1,5"	1,5"	1,5"
	Incomming pressure	6-8 bar		
	Average consumption	1000-2700 L/min	1200-2700 L/min	1800-4000 L/min
Frame	Material	Stainless steel 304		
	Protection class	IP55		
	Dimensions	See drawing		
Cooling	Air-to-air airco	✕	✕	✕
	Water-to-air airco	✕	✕	✕
	Split airco unit	✕	✕	✕
	Chiller	■	■	■
	Heat exchanger	■	■	■
Infeed shaker	flatbed	○	○	○
	High speed	○	○	○
	Laned	○	○	○
Reject product	Conveyor belt	○	○	○
	Shaker	○	○	○
Accept product	Conveyor belt	○	○	○
	Shaker	○	○	○

**optimum**  
SORTING

#### More information?

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