



# FOCUS

The FOCUS is an optical belt sorting machine specially developed for sorting products with miscellaneous defects. Discolorations, shape deviations and undesirable constituents are detected in the product flow and removed with high precision. The use of FOCUS not only leads to a higher quality of your end product, but also to lower and more predictable production costs.

The FOCUS detects your product on the fast rotating product reading belt using innovative detection techniques. Your product is identified and accurately removed. You are immediately informed of the decisions taken by the FOCUS based on the criteria you have entered.

The modular construction of the FOCUS makes it possible to select from the perfect combination of camera, light and other techniques for the best sorting results.

- widest optical belt sorter
- excellent good-to-bad ratio
- unique camera configuration for French fries, carrot cubes or other root vegetables
- 3R laser class
- sorting on the basis of color, shape and structure
- 24/7 (remote) Service
- maintenance friendly
- fast product switching
- extremely user-friendly operation

The FOCUS is available in four models with an operating width of 600, 1200, 1800 or 2400 mm. This means that it can easily be integrated into an existing product sorting line.

Optimum Sorting also effects the complete engineering of your optical sorting line: the FOCUS including feed vibrator, product (re-)routing and desired modules can be adapted to your requirements in the existing or new production line.



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

### A few examples:

The FOCUS may be used on a stream of fresh, dried or frozen potato products, vegetables or fruit products, and also crustaceans and shellfish.

**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.**



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[mm]	A	B	C
600	6395	2700	1425
1200	7100	3020	2095
1800	7100	3020	2695
2400	7100	3020	3370

These are indicative values. Detailed drawings are available on request

■ standard   ○ option   × not available

		FOCUS			
Type		600	1200	1800	2400
Machine type		Belt sorter			
Inspection width		600 mm	1200 mm	1800 mm	2400 mm
Network		Ethernet			
Camera	Monochrome, RGB, iRGB	■	■	■	■
	InGaAs	○	○	○	○
Laser	XIP	○	○	○	○
	IR, SWIR, VIS, Fluo	○	○	○	○
Camera configurations	Class	3R	3R	3R	3R
	5/6 configuration	×	○	○	○
	Perpendicular	○	○	○	○
Lighting	Front/rear	×	×	×	×
	Hi frequency fluorescence tubes	■	■	■	■
	LED (white)	○	○	○	○
	LED (UV)	○	○	○	○
Sorting modes	LED (IR)	○	○	○	○
	TwoWay	■	■	■	■
Reject valves	ThreeWay	○	○	○	○
	Pitch 5,25 mm	114	228	342	○ 456
	Pitch 7,5 mm	80	160	240	320
Reject flippers	Pitch 10 mm	60	120	180	240
	Pitch 40 mm	○	○	○	○
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	4 kW	7,5 kW	8,5 kW	11 kW
Water supply	Quality	Tap water, max 8°D, Fe < 0.2 mg/l			
	Average consumption	max 8 L/min	max 10 L/min	max 15 L/min	max 20 L/min
	Temperature	20°C			
	Pressure	1-3 bar			
	Connection	3/4"	3/4"	3/4"	3/4"
Compressed air	Quality	ISO norm 8573-1:2010			
	Class	1.4.2 Norm			
	Filter	0,1 μ - Dry			
	Air connection	3/4"	1,5"	1,5"	1,5"
	Incoming pressure	6-8 bar			
	Average consumption	600 L/min	1200 L/min	1800 L/min	2400 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 shaker	Conveyor belt	○	○	○	○
	Shaker	○	○	○	○

### More information?

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