

POM DYN SIZE ANALYZER



POM DYN™ SIZE ANALYZER

The new POM/DYN™ size analyzer is going to change the way you carry out your Statistical Quality Control. Its purpose is to generate size specifications from samples. By using sophisticated shape recognition software the system will also measure curved products. Results can be stored locally or exported to the customer's network for future references.



MEASURING

Once the product is loaded onto the belt, it is automatically transported to the measurement area. A vision computer uses an ultrafast camera in combination with sophisticated image processing software to calculate the required parameters. The illumination in the measurement area gives the POM/DYN™ additional power. As a specific wavelength is used, the system is not influenced

by any colors or color variations of the products. The vision system can either measure the length of the product rulerwise (straight length) or following the curvature (center line). Measuring curved products is no problem and for all measurements the accuracy is better than 2 mm. The POM/DYN™ can also relate the measurement results to adjustable length specifications.

APPLICATIONS

*French fries

BENEFITS OF THE POM/DYN™

- +Very fast measurement. (1 kilo in one minute)
- +Very accurate measurement, better than 2mm
- +Insensitive to product colors and variations
- +Measurement of curved products
- +User-friendly software
- +Stainless steel construction
- +Increased yield

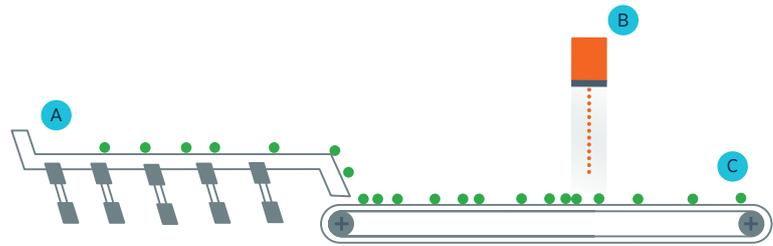
Statistical analysis ensures optimal quality



The POM/DYN™'s optical sensors measure french fries before further processing.

WORKING PRINCIPLE

The POM/DYN™ consists of an infeed section and a measurement section. The infeed part randomly supplies the products onto a conveyor belt. There is no need for the products to be directed lengthwise as the state-of-the-art image processing of the vision system can perform the measurements anyway. The POM/DYN™ can also relate the measurement results to adjustable length specifications.



- A Infeed shaker system
- B Camera
- C Output

1 CAMERA

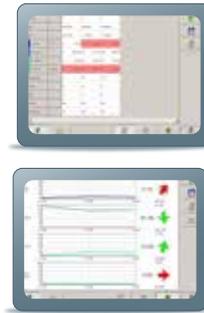
TOMRA has integrated the latest and most high-tech optical components, while ensuring an easy way of operation. A simple interface allows the operator to easily and intuitively set the machine.

2 LIGHTING

The POM/DYN™ uses specifically selected LED illumination. As it is using a dedicated wavelength, the system is not influenced by any colors or color variations of the products. The result is that produce edges are very clear and accurate measurements can be achieved.

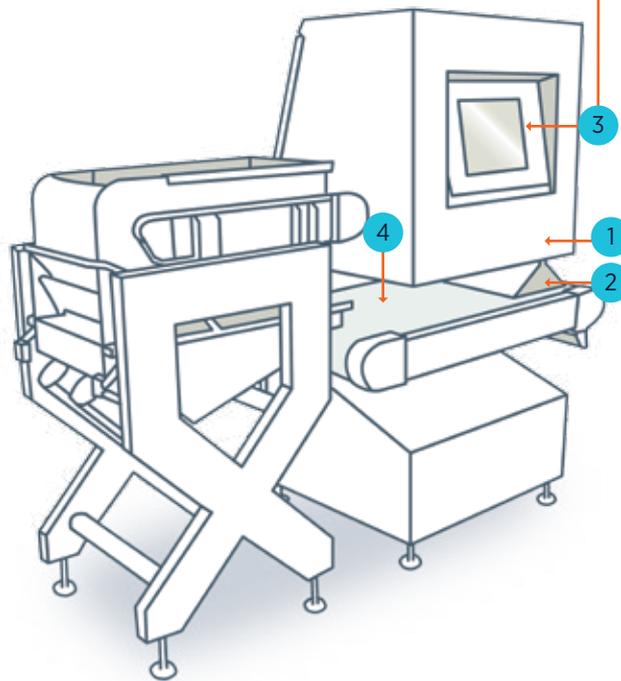
3 EASE OF USE

Quality control and feedback are secured by the intuitive Graphical User Interface (GUI) and touch screen. Thanks to the PAX system, customers or TOMRA service engineers can also access the machine settings from anywhere in the world.



4 INFEEB BELT

The infeed part transports the products randomly onto a high speed conveyor belt, which guarantees optimal product spreading and avoids clustering.



ADVANCED SORTING
PARAMETERS &
TECHNOLOGY

 Detailed Size /
Geometry

DIMENSIONS AND SPECIFICATIONS

Model	Dimensions				Utilities
	Width	Length	Height	Infeed Elevation	Power
POM/DYN™	793 mm (31,2")	2047 mm (80,6")	1742 mm (68,6")	1282 mm (50,5")	3x380 VAC



You are a Resource Revolutionary.

TOMRA Sorting Solutions Food unites two strong brands in the food industry to become the leading provider of sensor based sorting, peeling and processing technology for the fresh- and processed food industries.

Turning yield into usage, profits into progress, TOMRA transforms the way the world obtains, uses, and reuses its resources.

If you are interested in a free demonstration with your own product or if you need more information, please contact us directly.



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