

EUREKA^(*)

The sorting edge experience

(*) 'EUREKA' (from Greek: Εύρηκα) is an interjection used to express triumph on a discovery!
It is a transliteration of an exclamation attributed to the ancient Greek mathematician and inventor Archimedes.

- Compact and movable concept
- High resolution TRUE-COLOR cameras
- Advanced SWIR infra-red sensor
- Unique detection thanks to special inner design
- True-Shape technology
- High-speed detection
- Sniper Ejector Logic
- New user interface
- IP65 rating
- Fully designed and manufactured in Italy



EUREKA

The sorting edge experience



The ever-stringent quality standards are creating new technical challenges for big and small businesses alike. Helping our customers increase final quality has been the main drive behind the development of Sesotec ASM's sorting technology and led to the creation of a new optical sorting machine, designed specifically to meet the requirements of low throughput lines and laboratory applications by means of a smart and cost-effective solution: the ASM EUREKA.

Compact and Movable

The compact size makes EUREKA easy to handle by a single operator, without additional mechanical structures or conveyors.

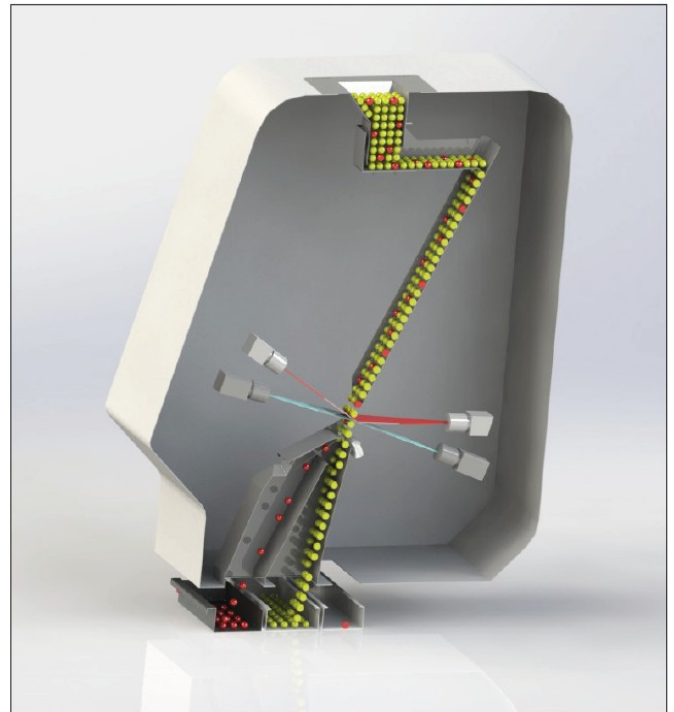
It is a fully-fledged optical sorter, that allows very quick Plug&Play operations.

EUREKA can be easily moved and optionally mounted on a fitting cart-kit, equipped with collection drawers.

Model	Width	Depth	Height	Weight
EUREKA	840 mm	1100 mm	1530 mm	250 kg

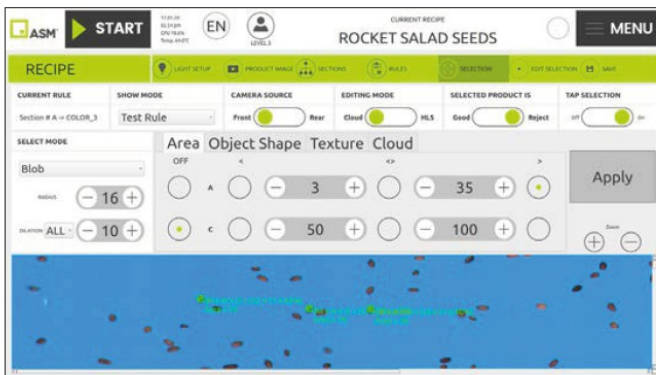
Performance features

- **Compact and movable concept**, distinctively streamlined to low throughput lines and laboratory applications
- **High-Resolution** cameras with **True-Color** image processing technology and Color Cloud breakdown
- **Advanced SWIR infra-red** sensor to sort defects based on physical and organic characteristics
- Unique detection and sorting resolution thanks to the **special inner design**
- **True-Shape** technology **differentiates objects** and **defects** by **shape, size** and **texture** at high speed
- **High-speed detection thanks** to a dedicated and upgradable image processing architecture
- **Sniper Ejector Logic reduces product loss** to a bare minimum by dynamically adjusting ejector activity according to contaminant type
- **Even easier to use**, with a new user interface and intelligent-learning features allowing program creation in 5 minutes
- **IP65 rating**, for the highest protection against dust and projected water, which ensures reliability in the most demanding environments
- **Fully designed and manufactured in Italy**

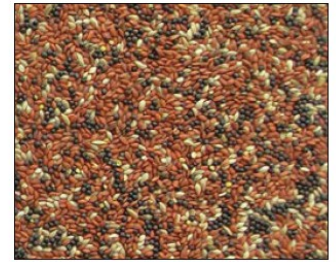


Examples

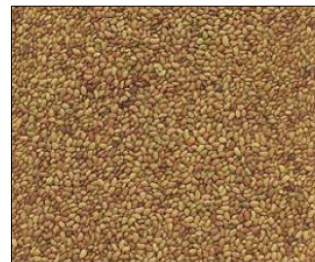
Simplified user interface



Flower seeds



Green coffee



Alfalfa seeds



Special purpose design

EUREKA has been specifically designed to grant extremely high precision in objects and defects detection.

It can efficiently handle a range of throughputs from a few grams up to some hundred kilos per hour, always with a great sorting accuracy.

Being a unique solution in the optical sorting market, EUREKA opens new possibilities to discover, qualify and sort materials and thanks to its advanced technology it enables industries to cope successfully with the challenges of quality improvement, quality control and laboratory research.

Total accuracy

We developed a completely new optical processing architecture called Logic, which is the heart of the machine. This is a combination of very powerful hardware and advanced software algorithms, that closely mimic how the human brain processes visual information.

EUREKA judges many different parameters at the same time, including colors, textures, shapes and size. Because EUREKA judges all these parameters as a whole, rather than one by one, it enables product control and qualification and provides users a competitive edge in improving quality processes.

Tap to sort: create a sorting program in 5 minutes

Thanks to the Intelligent-Learning System, creating a program is as simple as taking a snapshot of a contaminated product sample.

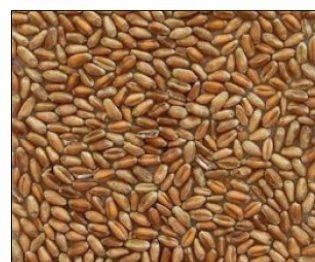
The machine takes a picture of the product as it falls, the user can then tap with a finger the defects to be removed. EUREKA does the rest, by dynamically creating the correct sorting program in order to achieve the best sorting results.



Lentils



Hazelnuts



Wheat



Sesotec ASM S.r.l.

Via della Tecnica 3/2
40050 Argelato (BO)
Italy
Tel. +39 51 05 46 940
Fax +39 51 89 73 86
info.asm@sesotec.com
www.sortingasm.com

Sesotec GmbH

Regener Straße 130
D-94513 Schönberg
Germany
Tel. +49 8554 308-0
Fax +49 8554 2606
info@sesotec.com
www.sesotec.com

eurata-pr-en-0720 - v1.0

Operating Companies:

 **Sesotec ASM S.r.l.**
Bologna
Italy
info.asm@sesotec.com
www.sortingasm.com

 **Sesotec Inc.**
Bartlett
USA
info@sesotec.us
www.sesotec.us

 **Sesotec Canada Ltd.**
Cambridge
Canada
info@sesotec.us
www.sesotec.ca

 **Sesotec Pte. Ltd.**
Singapore
info@sesotec.com.sg
www.sesotec.com.sg

 **Sesotec Pvt. Ltd.**
Pune
India
info.india@sesotec.com
www.sesotec.com

 **Sesotec Shanghai Co. Ltd.**
Shanghai
China
enquiry@sesotec.com.cn
www.sesotec.com.cn

 **Sesotec Thailand Ltd.**
Bangkok
Thailand
info@sesotec.com
www.sesotec.com

... and more than 40 agencies
worldwide



AGROMEGA spol. s r.o.
Nova Ves 51
570 01 Litomyšl
Czech Republic

+420 602 387 441
+420 606 614 830
agromega@agromega.cz
www.agromega.cz

Sesotec system world



Detecting and separating contaminants

Removing contaminants:

- metals
- plastics
- glass
- ceramics, porcelain, stones
- and many others

Removing from (good material):

- bulk materials
- liquids and pastes
- individually packaged product
- packed and loose items

Product types:

- end-products (food, textiles, plastics etc)
- industrial raw materials
- recycled materials

Can be integrated into all types of conveyor systems



Detecting and separating sub-standard products

Qualitative defects:

- incorrect colour
- agglomerations
- breakages
- air inclusions in packs
- incorrect positioning / distribution

Quantitative defects:

- incorrect weight
- count errors (incorrect number of items in package)

Product types:

- end-products (food, textiles, plastics etc)
- industrial raw materials
- recycling materials

Can be integrated into all types of conveyor systems



Sorting mixed materials into single fractions

Types of material:

- glass
- plastics
- metals
- and many others

Delivery flows:

- bulk materials
- individually packaged product

Can be integrated into:

- conveying systems
- bulk material flows

For further information or to discuss your particular application contact one of our specialists.

www.sesotec.com



**Choose the Original
Choose Success!**