



PICVISA

Sorting technologies that
accelerate transition to a circular economy

We can sort it out

www.picvisa.com



**OPTICAL
SORTING**
BY PICVISA

- ▶ Leaders in the Iberian market of optical sorters for waste recycling.
- ▶ Our technology provides high production capacity with great efficiency and minimum rejection.
- ▶ Deep learning optional.

GLASS/PLASTIC

Optical sorting based on machine vision and artificial intelligence.



ECOGLASS

Optical sorter for
glass and others



ECOPACK

Optical sorter for
plastic and others



**OPTICAL
SORTING**
BY PICVISA

- ▶ Multiple materials sorting
- ▶ Escalable
- ▶ Fully customized
- ▶ Material Traceability

TEXTILE

**Optical sorter for automatic classification of textile
by composition (NIR) and colour (VIS).
Separation by lateral & frontal blowing.**



ECOSORT

Optical sorter
for garments



ECOCLIP

Automatic garment
& clipping sorting

Textile sorting by:



Fiber



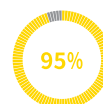
Color



Garment



Hard points



Accuracy



2.5 tons/hour



Real time data



OPTICAL SORTING

BY PICVISA

ECOFLAKE

Optical sorting for plastic flakes recycling

- ▶ Material sorting by color, transparency, and composition
- ▶ High sorting precision (size > 2mm)
- ▶ High-definition CMOS RGB cameras with NIR technology
- ▶ Sorting of plastics, metals, and seeds
- ▶ Unique belt feeding system for increased stability and blowing precision



Plastic Sorting:
Polyethylene color sorting



Metal Sorting:
Copper, brass, and
aluminum sorting



PET Flake Purification:
Dark particle and metal
sorting



ROBOTICS

BY PICVISA

ECOPICK

It provides intelligent and customized robotic solutions to meet the new challenges of process automation.

- ▶ Solutions to automate sorting and quality control tasks.
- ▶ Increase the quality of valuable material and reduce operational costs.
- ▶ Improve productivity, effectiveness and safety conditions.



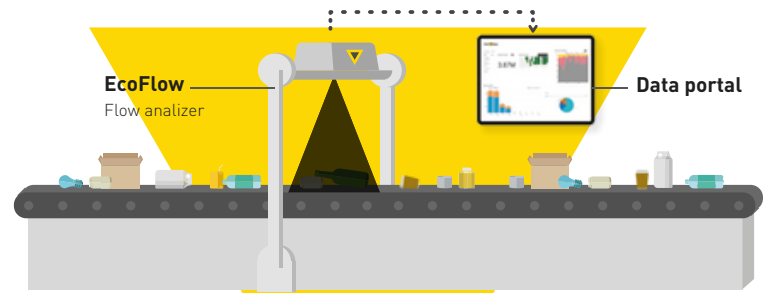
Plug & Play:
scalable to any
industry and
adaptable to any
material.



BRAIN
BY PICVISA

DATA +

Data platform that provides real-time information that supports uptime using visual indicators



Time

Speeding up your process replacing manual sampling



Production

Giving immediat response to production downfalls and quality deviations



Cost

Showing real time profit assesment of input and output batches

With our ECOFLOW “plug and play” flow analyzer and naming interface, we can remotely display all the information accurately.



BRAIN
BY PICVISA

ECOFLOW

Artificial intelligence-based flow analyzer.



Immediate start-up



Visualization and remote control of flow



Plug&play

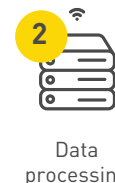


Adaptable to any type of flow

How does it work?



Image collection



Data processing



Data Visualisation

- ▶ We analyze your process, your product, your flow and your objectives in order to prepare a tailor-made study.
- ▶ We assess the technical feasibility of your project and the return on investment (ROI).



Full-scale testing facility available to any PICVISA client.



CARE
BY PICVISA

Minimum rejection, maximum quality

We will make sure that your equipment works at maximum performance with the latest updates and we will ensure their efficiency and profitability.

>400

Optical sorters sold

16

Countries

2M

Tons processed per year

- ▶ We design continuous improvement processes and remote technical assistance.
- ▶ We propose updates and upgrades. We make our innovations available to you.



- ▶ We have a team that speaks your language, understands your needs and will always be available.



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Design and manufacturing of machine vision, artificial intelligence and sensor-based sorting equipment.



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