THE NEW GENERATION

ECOGLASS

Optical Sorting for Glass Recycling
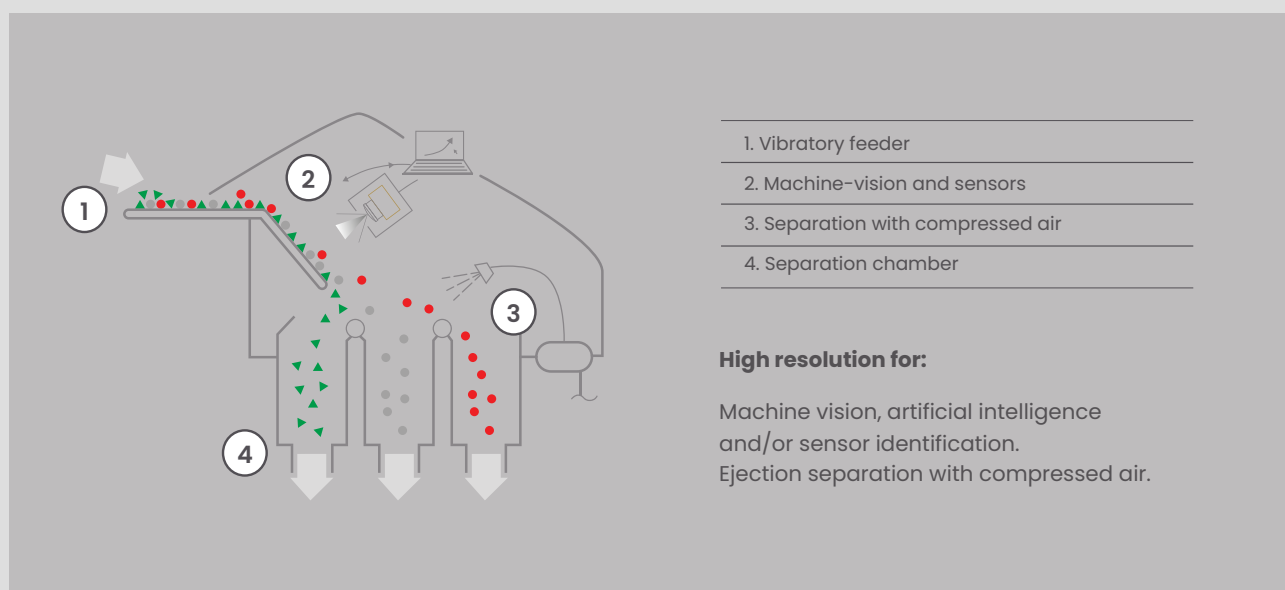
PICVISA

We can sort it out.

www.picvisa.com

ECOGLASS

Machine vision technology and fast data processing.

The ECOGLASS optical sorter allows the automatic classification and separation of various types of materials, by composition (NIR), color (VIS) and/or shape (deep learning). ECOGLASS models are designed to work in glass recovery and cleaning processes in different flows. These equipments are designed in a versatile concept of easy adaptation to different processes where the material is crushed and requires separation or cleaning by color and shape.

1. Vibratory feeder
2. Machine-vision and sensors
3. Separation with compressed air
4. Separation chamber

High resolution for:

Machine vision, artificial intelligence and/or sensor identification.
Ejection separation with compressed air.

Wide variety of equipment configurations depending on separation, objectives and materials to be processed.

APPLICATIONS		MATERIALS				
		VIS	AI	EM	UV	NIR
CSP Removal	Contaminants removal - Ceramics, Stones & Porcelain	X X	X			
Color Sorting	Glass sorting per color - Ambar, Green, Flint	X	X			
Fines sorting	Contaminants removal - Ceramics, Stones & Porcelain	X X	X			
Heat Resistant & Lead Glass	Sorting of different type of glass	X		X		X
Removal MSW Glass Sorting	Glass recovery from MSW compost reject flows		X			
Bottom-Ash Glass Sorting	Glass and metals recovery		X	X		
Metal Removal	Metal impurities removal			X		
Other Applications	Please check with PICVISA	X	X	X	X	X

*Technologies applied individually or in combination: NIR = Near-Infrared spectrometry; VIS = Visual light and colors; EM = Electromagnetic sensors / induction; UV = Ultraviolet Light; AI = Artifcial Intelligence.

The new ECOGLASS features include:

- ✓ Higher production capacity and availability under demanding industrial conditions.
- ✓ High recovery efficiency and purity rates of targeted materials up to 99%.
- ✓ Versatility and flexibility when separating different materials with the same optical sorter.
- ✓ Easy programming and reprogramming.
- ✓ Computer-aided calibration for high reliability and production stability.

- ✓ Easy maintenance and standard off-the-shelf parts.
- ✓ Direct online customer support service with remote connection.
- ✓ Real-time access to sorted material statistics (dedicated interface. online accessibility).
- ✓ Computer-aided calibration and control.
- ✓ Local and remote connectivity.

PICVISA provides with 800sqm test center in Calaf, fully equipped with mechanical and machine vision means for a wide range of material sorting.

Aditional services:

Process consultancy	Supply of equipment
Material and process	Installation
Flow diagrams	Electrical power supply and plant control system
Plant performance and mass balance calculations	Commissioning
Plant layout design	Support of operation

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

On-site and remote technical support

Spare parts

Training

Equipment and software updates / upgrades

Second-hand equipment

Renting / leasing service

PICVISA Test Center

PICVISA

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