REDWAVE NIR - G

Sorting machine for waste glass processing
Separation of plastics, paper and metals
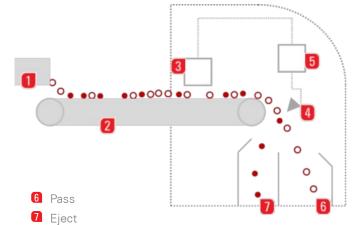
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REDWAVE NIR - G units are highly efficient sorting machines for waste glass processing. The high resolution Near Infrared („NIR") Spectral Imaging Sensor identifies plastics and paper in the mixed glass material stream. Solenoid air valves and nozzles divert these contaminants into the reject chute.

The **NIR - G** can be installed upfront of the optical sorting process to pre-clean and significantly improve the material before ceramics removal and color sorting.

Technical specification	REDWAVE NIR - G
Working width	1000 and 2000 mm
Sensor technology	High resolution Near Infrared („NIR") Spectroscopy
Light source	High power multispectral halogen light
Eject valves	96 or 192 high efficient solenoid valves
Sortable material size	8 to 50 mm
Capacity	up to 10 t/h at 1000 mm sorting width

Advantages:

- High capacity, high quality and high yield sorting
- Reliable and user friendly operation
- Low maintenance requirements

1 Feeder	**4** Valves and nozzles	**6** Pass
2 Conveyor belt	**5** Processing unit	**7** Eject
3 Near Infrared sensor		