

This system is one of five projects initiated by EEQ under the *Innovative Glass Works* plan to treat glass at MRF to obtain a product that has a higher value on the market.

Glass Sorting System
Capacity of 2,000 TPY of glass
from Single-Stream MRF

Éco Entreprises Québec
Innovative Glass Works
RITMRG – Grande-Riviere, QC, Canada

Completed in spring 2017



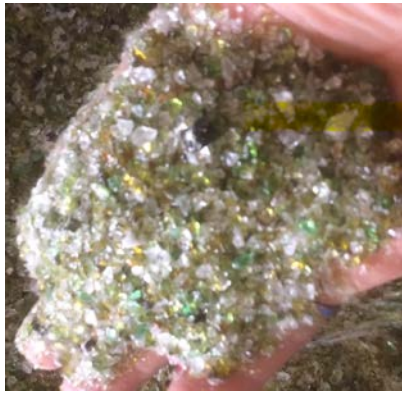
Mixed MRF Glass Processed



Purity Rates

Coarse glass: up to 97%

Fine glass : up to 99.8%



Sorted Material

Input = MRF Glass <2" + Full size bottle

Outputs:

- Fines glass 0 to ¼ "
- Coarse glass > ¼ " to 1 "
- Rejects
- Ferrous



Equipment List

- Feeder Hopper
- Magnetic Head Pulley (Rare Earth High Intensity)
- Flip Flow Screener
- Krysteline Imploder

Implosion Technology



Krysteline Technologies has developed innovative implosion technology to transform glass into small fragments. With the implosion system, a calibrated-speed rotor sends a shock wave to glass bottles or pieces.

This wave, which travels back and forth, causes instantaneous implosion of the glass without shredding the labels or capsules, which are therefore easier to sort and extract.

This method reduces the maintenance costs and uses less energy than conventional grinding processes. As an added benefit, the edges of the treated glass are rounded, not sharp.

