REDWAVE – your reliable partner



Process Consultancy

- Definition of requirements
- Material and process flow diagrams
- Reference visits and in-house sorting test



Project Development

- Plant performance and mass balance calculations
- Development of design concept
- Plant engineering
- Cost estimation



Project Management

- Project coordination and milestone monitoring
- Cooperation with partner and subcontractors
- Coordination of supplies



Manufacturing – Supply of equipment

- Technical specification of plant components
- Detailed manufacturing documentation
- Quality assurance



Installation – Commissioning

- Site coordination
- Mechanical and electrical installation
- Commissioning and start-up
- Training of plant personnel



Customer Service

- Remote access for support
- Service contracts
- Preventive services

REDWÁVE®





Our projects

REDWAVE waste glass processing plants have been successfully installed in Austria, Finland, Russia, Italy, Germany, Great Britain, the Czech Republic, Spain, Poland, the Netherlands, Hungary, the USA, France, Tunisia, Ukraine, Sweden, etc.



REDWAVE, a division of BT-Wolfgang Binder GmbH

Muehlwaldstraße 21 8200 Gleisdorf, Austria +43 3112 8377-0 office@redwave.at

REDWÁVE®



WASTE GLASS PROCESSING



Waste glass processing for cullet reuse:

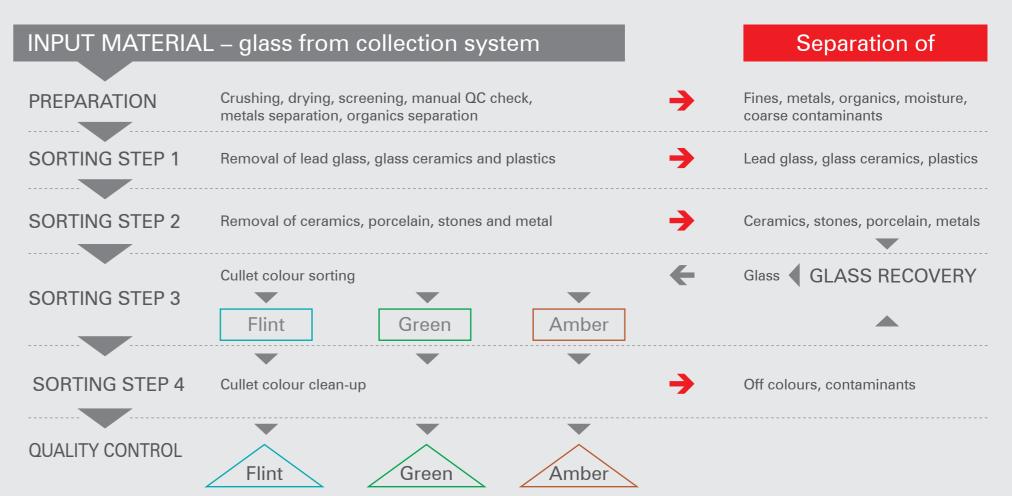
- Container glass
- Float glass
- Insulation glass wool
- Foam glass
- Glass beads
- Others (aggregate, abrasives,...)

REDWAVE glass recycling competence:

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



The REDWAVE waste glass sorting process



REDWAVE competences and technologies



Input material

- Material from kerbside collection
- Bottle bank material
- MRF glass material



Preparation

Crushing: Double roll crusher Drying: Fluidized bed dryer Rotary drum dryer

Screening: Vibrating screens Flipflop screens Fine screens

Metals separation:

Cross belt magnets Drum magnets Eddy current separators

Organics separation:

Airknife separators Zig-zag separators



Sorting step 1

lead glass and glass ceramics:

REDWAVE XRF-G

REDWAVE NIR-G



Sorting step 2, 3, 4

Removal of ceramics and metals as well as colour sorting and colour clean-up:

- REDWAVE CS
- REDWAVE CX REDWAVE CXF

2-way (single eject) and 3-way (dual eject) sorters

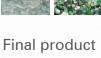


Quality control

Process monitoring and control system:

 REDWAVE PMCS Sample taking and

analysing system: REDWAVE SAS



· Remelting in container glass manufacturing

• Other use (construction industry, aggregates,...)