

Glass recovery. From waste to resource.

Practical equipment. Considered processing.
New possibilities for recovered glass.



Waste ends. Possibility begins.

Plant concept illustration - not a photograph of a commissioned installation.

Start with the destination.

Your incoming glass, intended output and site layout determine the equipment you need.

01 Receive & sort

Identify glass types and contamination. Keep incoming stock separate from finished material.

02 Break or crush

Choose cullet production or finer crushing around the next use and expected daily volume.

03 Transfer & screen

Move material between stages and separate the required size fractions.

04 Collect & supply

Label output grades, keep them clean and check the receiving specification.

THE RANGE AT A GLANCE

BOTTLE BREAKERS

GB150 / GB150T
GB250
GB250R + Conveyor
GB350 / GB350T
GB350T + Infeed Conveyor

PAGES 03-04

GLASS CRUSHERS

Mini
CR001
CR002
CR002.5
Kalahari

PAGES 05-06

SCREENING & HANDLING

Trommel Systems
Conveyor Systems

PAGES 07-08

Sustainable Tech helps you shape the equipment enquiry, from waste volumes and available power to material handling and the intended market. The product range is part of a wider focus on practical, sustainable technology.

02 / BOTTLE BREAKING

Make glass easier to handle.

Select the feeding and collection arrangement around your operation.



AI-refined equipment illustration. Final supplied configuration may differ.

GB250

Bring bottle breaking and collection into one arrangement. A bag below the processing head receives the broken glass for onward handling.

Collection reference

One-tonne flow-bin bag

GB150 / GB150T

A compact starting point for operations collecting a smaller stream of bottle glass. Confirm the selected variant and collection arrangement.

~200 kg/h*

GB150 reference; GB150T to confirm.

GB250R + Conveyor

A named conveyor combination in the range. Select the feeding arrangement, processing unit and collection point as one assembly.

On enquiry

Complete assembly specified on enquiry.

Machine selection also needs the loading method, operator access, bag-exchange space and a clear route for taking the recovered glass away.

03 / HIGHER-VOLUME COLLECTION

Two ways to feed the process.

Standalone and conveyor-fed assemblies have different power and layout requirements.



AI-refined equipment illustration. Final supplied configuration may differ.

STANDALONE BOTTLE BREAKER

GB350 / GB350T

Higher-volume bottle breaking with collection beneath the head. The standalone arrangement uses hooks for a one-tonne flow-bin bag.

~1,300 kg/h

1.5 kW / single phase



AI-refined equipment illustration. Final supplied configuration may differ.

INTEGRATED BOTTLE BREAKER

GB350T + Infeed Conveyor

A lower loading hopper feeds the bottle breaker through an inclined conveyor. Plan the loading point and bag collection as a complete workflow.

~1,300 kg/h

380 V assembly

Reference specifications. Performance depends on feedstock and configuration; final scope is confirmed at quotation.

04 / FINER GLASS RECOVERY

Think beyond the bottle.

Choose the crusher and any further preparation around the material you want to recover.



AI-refined equipment illustration. Final supplied configuration may differ.

COMPACT GLASS CRUSHER

Mini

A compact crusher for a smaller waste stream. Specify the input glass, required output grade and collection method together.

~120 kg/h
On enquiry



AI-refined equipment illustration. Final supplied configuration may differ.

FINE GLASS CRUSHER

CR001

A compact crushing head for finer glass recovery, with mounting described for a 210-litre drum or standard waste bin.

On enquiry
0.75 kW / single phase

CR001 output size is a reference. Final grading and throughput depend on the feedstock and machine configuration.

05 / MATCH THE PROCESS TO THE SITE

Crushing with a purpose.

Throughput is one part of the decision. Target grade, power and handling matter too.



AI-refined equipment illustration. Final supplied configuration may differ.

CR002

A crusher for glass size reduction, with a documented option to plan conveyor feeding and three-way trommel screening as a complete line.

Approx. 300 kg/h

1.5 kW, single phase

Three-phase option

CR002.5

Discuss this higher-throughput crusher alongside the handling and screening needed for your required material fractions.

~400 kg/h

Kalahari

Glass-to-sand processing described for lodge settings. Solar operation requires a suitably designed system matched to the motor and operating schedule.

Power designed around the site.

CR002.5 is a separate model. Kalahari solar compatibility requires electrical and system sizing to be confirmed with the proposed equipment.

Screen for the next use.

Trommels separate processed glass by size, with collection points for each selected fraction.



Historical rotary-screen reconstruction. The illustration does not define the current three-way assembly.

A screen belongs in the line plan.

Start with the size fractions required by your buyer or next process. Specify the screen apertures, feed arrangement and collection outlets around those requirements.

Process	Rotary screening after crushing
Documented line	CR002 with conveyor and three-way trommel
Screen apertures	Selected for the target fractions
Collection	Separate outlets and collection points
Capacity and dimensions	Specified for the complete line

A CR002 line with conveyor and three-way trommel is documented in the range. Final throughput, drive, dimensions and screening cuts are established for the proposed line.

07 / MATERIAL HANDLING

Connect the working parts.

A practical plant gives incoming waste and processed output their own space.



Historical conveyor reconstruction. Belt layout and dimensions are configured for the proposed site.

01

Receive

An offloading bay for unprocessed glass, with access for sorting and feeding.

02

Process

A clear feed route through the selected breaker, crusher and screening stages.

03

Dispatch

Separate collection points for graded output, with space for bag or bin movement.

Specify the transfer points together.

Share the required belt width, loading height, incline, travel distance and discharge position. Confirm guards, controls, access and the capacity of the adjoining machines as part of the assembly.

08 / RECOVERED GLASS

Give every grade a destination.

These are application pathways to assess, with preparation and testing matched to the next use.



Pavers & concrete

Prepared mixed glass can be investigated as aggregate. Establish grading, mix design and product testing, including durability and alkali-silica reaction.



Filtration media

Specify composition, cleaning, grain sizes and application-specific validation. Ordinary crushed glass is not automatically activated or drinking-water filter media.



Blasting grit

Prepare a consistent angular abrasive with controlled grading and fines. Select it against the required surface profile and representative substrate trials.



Terrazzo & finishes

Control colour, chip size and cleanliness, then test the chosen binder and finishing process using a sample panel.



Glass sand

Define a measured size distribution and a receiving specification. Construction, drainage and landscaping uses need their own suitability assessment.



Sorted cullet

Agree the buyer's requirements for glass composition, colour, size and contamination before planning the processing line.

Material images are illustrative concepts. Crushing alone does not certify glass for construction, filtration or any other end use.



Tell us what comes in. Let's plan what goes out.

A useful equipment proposal starts with a clear picture of your site. Send us the details below so we can discuss the equipment, handling and preparation together.

01 **Your glass**

Types, colour mix, contamination, bottle sizes and how material arrives.

02 **Your volumes**

Typical daily or weekly tonnage, peak loads and available operating hours.

03 **Your destination**

Intended buyer or application, target particle sizes and acceptance requirements.

04 **Your site**

Floor plan, power supply, loading method, storage and collection arrangements.

LET'S PLAN YOUR GLASS RECOVERY.

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