

GPK300

GLASS PROCESSOR



Krysteline

Krysteline is a supplier of advanced glass processing technology and the inventors of the revolutionary glass Implosion process developed to satisfy tough new environmental legislation that prohibited the dumping of waste at sea. The Imploder's unique but simple operation efficiently transforms glass into sharp free particles. Due to the Imploder's inherent reliability and low power consumption Imploders have been supplied to a large number of customers around the world from remote Islands to turn glass into sand and grit for construction; to pharmaceutical companies to process and dewater liquid from sealed glass containers; NATO has adopted these Patented processors for use in warships.

The GPK300

The standard GPK300 Imploder uses a mechanical resonance transfer process to create sharp free glass. Its integrated vibratory feed tray delivers glass to the feed chamber at a controlled rate where the Implosion process targets the glass element of the feedstock reducing its size to a blend of sizes less than 25mm. The internal settings of the Implosion process may be altered to provide differing size distribution. With its 1m³ feed hopper the GPK300 is ideal for bulk feeding or continuous operation.

Benefits

The standard GPK300 transforms bottled glass into safe and sharp free cullet in a single operation. The volume of glass containers is reduced up to 6:1 making disposal safer and more cost effective. The processed cullet may be safely stored in a receiving container; typically a 1m³ trip skip at the base of the processor. The imploded cullet lends itself to recycling, or for use in new market applications.

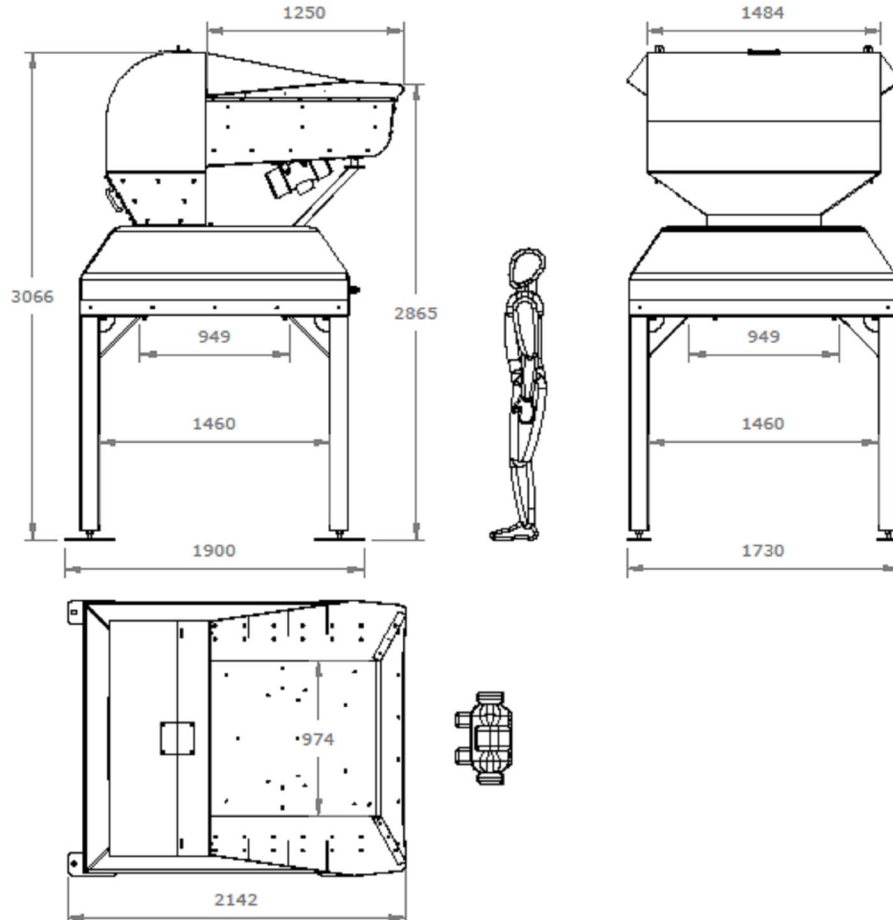


Advantages

- Up to 6:1 volume reduction
- Less required storage space
- Less truck movements
- Produces sharp free glass
- Low power requirements
- Reduced labour
- Improved cleanliness
- Less noise
- Easy to install
- Small environmental footprint
- 98% recyclable construction
- Simple operation
- Simple to maintain
- Significantly reduces landfill costs

Technical Specification

Dimensions



Features

- Produces sharp free glass
- Designed for use in commercial applications
- Heavy duty Imploder, chamber, bearings and drive train.
- Bulk feed vibratory tray with 1m³ capacity Machine weight 1238Kg.
- Throughput capacity up to 6000kg/hr (dependent on feedstock type and contamination levels)
- 7.55kW primary drive motor with 2 x 0.75 kW vibratory motor 3pHz, 380/440V 50/60Hz
- Safety covers surrounding Imploder chamber and drive train
- Powder coated sturdy steel construction
- Mechanical reject safety system helps protect Imploder
- Minimal maintenance requirement
- Large rear maintenance hatch
- Designed for integration with bin lift, conveyors and screeners

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26 Thorne Way, Three Legged Cross,
Wimborne, Dorset BH21 6FB
Tel: +44 (0)8706 000033
Email: sales@krysteline.com
www.krysteline.com

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