# Feature: Implosion at the heart of glass

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**By Rebecca Allmark** **02/06/2005**

Eighteen months ago, Remade Kernow helped procure a Krysteline GP4 for the island of Tresco in the Scilly Islands in an innovative project aimed at eliminating the transportation of waste glass off the island. The GP4 produces a processed glass cullet that enables its reuse in new local applications on the island.

Andy Rogers, project manager at Remade Kernow, says: “We helped Tresco purchase a Krysteline GP4 to deal with the large volumes of bottle waste they collect on the island. We have been really pleased with its performance, and they processed more than 40 tonnes of bottles last summer alone”.

"Now, if you look carefully at some of the island's concrete paths, they have a very interesting colour scheme.

It has been really beneficial for a small island trying to make the best use of its limited natural resources."

Krysteline was founded in 1999, and is an innovator in glass reprocessing and inventor of the Implosion process. Devised originally to satisfy marine industry legislation, the glass imploder was discovered as a result of testing aimed at providing a solution to eliminate the dumping of waste glass at sea.

The first processor, the GP4, was a powerful marine version which has now been widely adopted by the major cruise liners. The Queen Mary II has two and, more recently, the Royal Navy has also taken delivery. Further development delivered high-performance land-based versions capable of purifying large volumes of contaminated waste glass.

In response to growing customer demand, Krysteline has now launched the smallest ever GP glass processor featuring its glass implosion technology.

The GP3 is designed to be bucket-fed, and will even process multiple champagne bottles completely automatically and, in common with all Krysteline systems, it produces completely sharp-free processed glass. Despite its robust build quality, the GP3 plugs straight into a 13-amp power socket and has no special installation or training requirements.

The system is said to be ideal for hotels, clubs and bottling lines - in fact, any application where glass must be reduced in volume to save space or haulage costs while remaining safe to handle.

The GP3 will process up to 1,000kg/hour, and complements the Krysteline family of compact processors that includes the GP4, which can be fed from a 60-litre dustbin, and the GP5, which may be integrated with a conveyor or 1,100-litre bin lift system for automatic hands-free operation.

The heart of the system is Krysteline's imploder which reduces container glass to one-fifth of its original size at high speed and at the same time renders it completely sharp-free and safe to handle. It is so safe that you can run your hands through the processed glass. The imploder does not grind or mill glass like a traditional crusher, therefore minimising wear.

Today Krysteline markets a range of processors based on the original implosion technology, and has more than 70 installations worldwide

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