



A mechanical instrument to recover the glass in a washing machine

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Abstract

An Italian University has developed and patented a mechanical instrument to collect glass from the porthole of discarded washing machines. The tool completely collects all the glass of a porthole in less than ten seconds, without taking it apart, thus allowing complete glass recycling. It is safe when used, and also the rest of recycling process is safer. The department is looking for SMEs interested in industrialising and producing the instrument.

operate, do not need any special skill to be used, and can help glass recycling. The partner sought must provide the adequate technical resources to support production and industrialisation of the instrument.

Description

Glass is a completely recyclable material, but it is difficult and hazardous to extract it from the washing machine porthole. This instrument is an easy-to-use and innovative tool that helps in the recycling process. It has four pneumatic hammers, which operate radially after manual operation of both operator hands onto two buttons. The instrument fits with virtually all washing machines models, is portable, easy to use and extremely safe.

The overall operation is made in safe conditions by a single operator in less than ten seconds, before the discarded washing machine is taken apart.

The glass is completely collected into a metal container and, thus, fully recyclable. The machine acts thanks to the sole use of the operator's force, and is portable. There are not any needs of electric power to operate, the porthole glass collection is safe and quick, there are not any needs of special skills, and the cost of the operation is low.

The department is looking for a partner for the activities of exploration and industrialisation of the product. The partner sought is preferentially a SME operating in the field of engineering, of mechanical and of recycling plants, which can support industrialisation and production of the instrument.

Technical Specifications / Specific technical requirements of the request

The aim of the request is to industrialise this new useful technology that do not need electric power to

For further information (including IPR status)

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