

Resource Sheet – Cardboard Repurposing

ASPIRE Project – 2015

Creating alternate packaging material from cardboard box waste

The Challenge

Reliance on cardboard boxes for packaging equates to large volumes of waste cardboard circulating throughout the supply chain around the world. While cardboard recycling networks exist, SMEs report that cardboard is one waste product that is still mostly sent to landfill, representing a great opportunity for innovative recycling solutions.

One Australian company's solution lies with its range of cardboard box recycling machines that convert waste cardboard boxes into an innovative recycled packaging material.

The Solution

Rongda Group is an Australian owned company that focuses on supplying businesses with innovative recycling machines. Their range of *Cardboard Box Recycler* machines produce a unique stretchy, workable bubble wrap alternative from scrap cardboard boxes (Figure 1). It is a product that has a variety of uses and can be used for cushioning, as a filling agent or for general packaging use.

Having close links to Australia Post and being a signatory to the Australian Packaging Covenant, Rongda's aim is to supply 2,000 *Cardboard Box Recycler* machines to the Australian market by 1 July 2016. This would equate to an estimated 600,000 cubic meters of cardboard being re-used in a different packaging form.



Figure 1: Rongda's versatile recycled cardboard packaging material

The *Cardboard Box Recycler* comes in three sizes, of differing weights and outputs, depending on user cardboard volumes and recycling requirements. Rongda offers two service options. Units can be purchased outright for a cost that includes delivery, installation, operator training and maintenance. Conversely, machines are also offered for rental over either a three or five-year period.

For further details, contact Rongda Group Australia, www.rongda.com.au or by phone: (03) 9338 3585.

Beneficial Outcomes

There is a strong and growing demand for the *Cardboard Box Recycler* machine range as an innovative and cost-effective tool that adds value to an existing resource by recycling waste cardboard boxes. Cardboard that is often dumped in landfill by business consumers after use, needlessly taking up space.

Rongda customers confirm that the use of these machines eliminates the need for users to spend money on alternative methods of cardboard disposal.

It also removes the need for businesses to purchase additional packaging materials, such as poly beans (peanuts), bubble wrap, Kraft paper, Polystyrene and bubble bag packaging.



Figure 2: Rongda Group's RD-325 Cardboard Box Recycler and packaging output

Information Sources

<http://www.rongda.com.au>

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