

Factsheet: Cardboard Shredders & Perforators

Reuse cardboard waste as sustainable packaging material

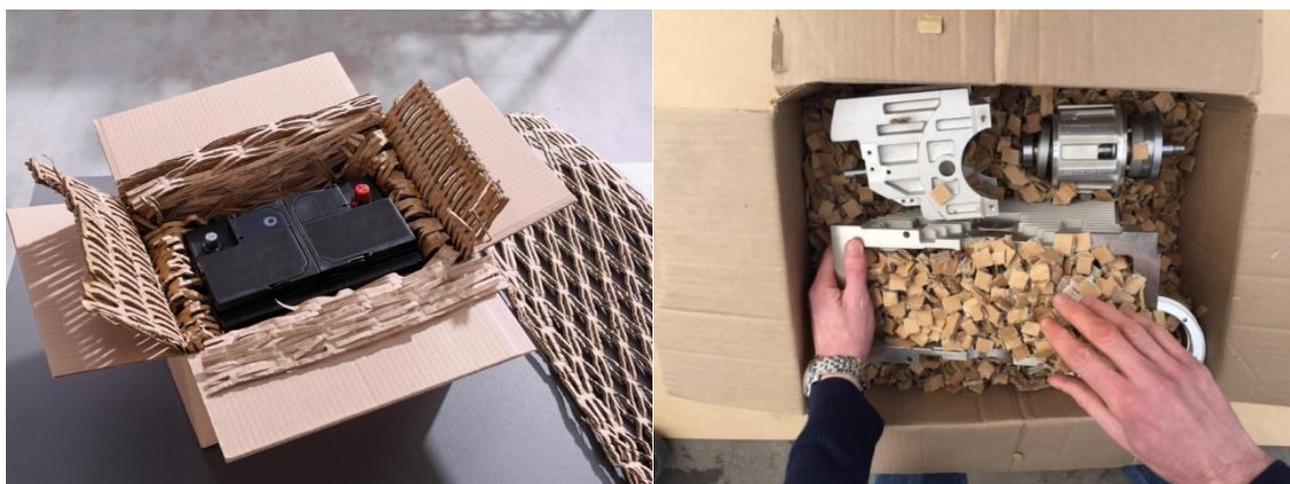


What is it and what does it do?

Cardboard shredder – a machine that can cut your cardboard waste into chips or strips, which you can reuse for other purposes, most commonly packaging or void filling material.

Cardboard perforator – a machine that perforates your cardboard waste into an elastic shock dampening recycled cardboard net, that is great for packaging and protecting products during shipping or storage.

Overall, these two machines are different types of the same machine. Both shredders and perforators ultimately allow your business to reuse its cardboard waste as recycled packaging material.



Why we need it?

If your company produces a lot of cardboard waste and ships or transports its products, then a cardboard shredder or perforator is a great opportunity for you. These machines can help you cut costs for shipping material and waste hauling, while upgrading you packaging material to high quality sustainable packaging material.

What does it cost?

The prices of a cardboard shredder or perforator range from \$2000 to \$10,000, depending on the size and capacity of the machine. Although the cardboard shredder machine is an investment, it will allow you to reduce package material and waste hauling cost. Therefore, it can be argued that it pays for itself in the long run.

Pros and cons:

Pros	Cons
<ul style="list-style-type: none"> • Reduce costs of packaging materials. • Reduces waste removal costs. • Environmentally friendly solution for high volumes of cardboard waste. • Upgrades quality of packaging material to sustainable reused cardboard, which most customers appreciate. • Machines don't take up too much space. 	<ul style="list-style-type: none"> • It is an expensive device, but it is an investment. • Additional supplies recommend for comfortable use. • The machines are not fully automated, so it takes time for the operator to feed cardboard.

Features to decide on:

- **Do we want a cardboard shredder or a cardboard perforator?** – this choice mainly depends on if you want to use the repurposed cardboard as protective material, for which a perforator is better, or just filling material to fill void spaces, for which a shredder is better.
- **What capacity and speed do we need?** - This question is related to the size of the machine. If you plan on shredding or perforating a lot of cardboard everyday then it is more convenient to get a powerful, fast machine that has a large capacity and can shred multiple sheets at a time.
- **What feed width is best for us?** This characteristic is more relevant for perforators and the answer is dependent on how wide your needs netting to be so that it will fit in the boxes nicely.
- **How much power can we provide it with?** - If you want a large, fast, heavy duty shredder or perforator because you plan on using it a lot, then you may want to consider getting one which requires a high voltage and special power supply.
- **Do we want extra supplies like a vacuum kit, container or worktable?** – the answer to this question depends only on your personal preferences and how you want to use your machine. If you plan on moving it around a container is helpful but a worktable is not. And if you don't plan on moving it and want to keep the work environment clean than a vacuum kit may be a useful extra to consider as it will minimize the amount of dust that it releases.

Recommended perforators and shredders:

<p>HSM ProfiPack P425 – Perforator</p>  <ul style="list-style-type: none"> • Large heavy-duty perforator that requires little power and works fast • Approx. \$4,500 	<p>HSM ProfiPack C400 – Perforator</p>  <ul style="list-style-type: none"> • Small compact table-top perforator which is easy to move around • Approx. \$2,200 	<p>Edward Serie 700– Shredder</p>  <ul style="list-style-type: none"> • Heavy-duty mobile cardboard shredder that is available as strips, chips, or perforated netting variant • Price varies by variant
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More information: <https://www.recycling.com/cardboard-shredder/>