

Agenda



- · The challenge
- · What does an automated waste handling system look like?
- How to be "Recycle Ready"?
- · What are the potential savings and benefits using automation?

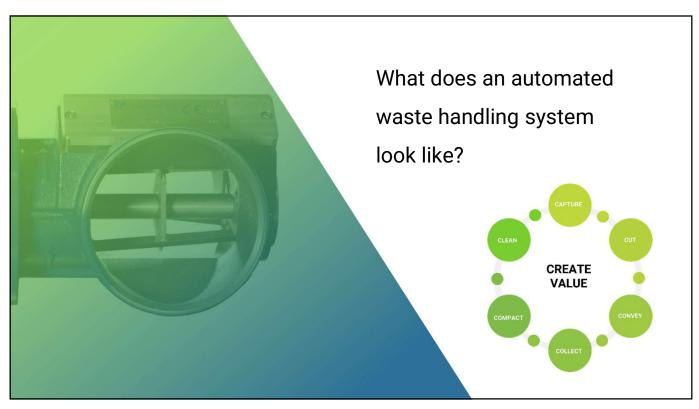


The Challenge

- Top of the sustainability agenda: recycling and separation
- EU Packaging Directives and future targets
- Mixed waste bins and rolls
- Bulky material
- Employee health and safety (OSH)
- · Inefficient machine stops
- Wasted virgin material



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Capture

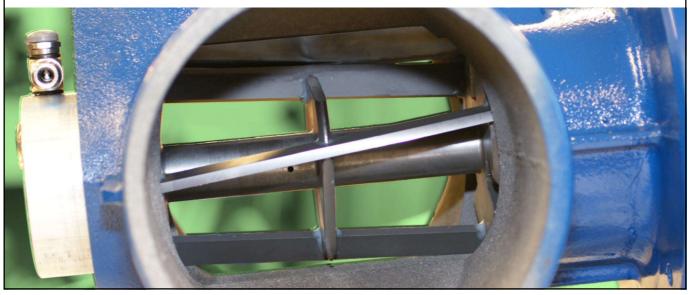
Waste in the process line where it is created. It enables higher production speed, less down time, while removing dust from production lines.



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Waste with the unique and reliable Lundberg Tech Granulator. It adds value by reducing the volume and easily conveys the waste over long distances.



Convey



Waste by vacuum transport in a pipe system. Can cover unlimited distances and number of machines.



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Collect



Waste and air is separated in a separator and the collected waste is going through a buffer prepared for connecting to a compacting container or a baler





Compact
Waste by a compactor into a container, bales or TubeBags.
It reduces both space requirements for waste and cost of disposal.



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Recycle Ready?

Diverters mounted after capturing and cutting the waste allow for separation of materials in different categories.

Waste goes into balers, containers, octabins etc.



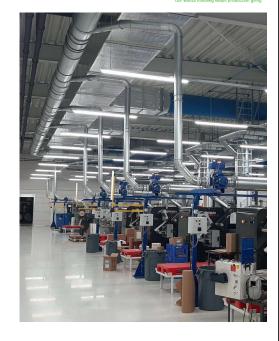


What are the benefits and savings?

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- · Recycle ready for future material separation
- · Reduction in wasted virgin material
- Reduce CO₂ footprint from waste transport
- · Do more with less
- · Less manual handling
- · Improve workplace environment





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Savings on virgin material



Example from Italian label manufacturer:

30m loss of virgin material per roll exchange / hour / machine

Web width 430mm = 30m x 0.43m = 12.9 m² (per machine and hour)

13 hours production / day (2 shifts)

225 working days per year

10 label printing machines

12.9 m² x 13 x 225 x 10 = 377,000 m² /year

If 50% of the stops can be prevented = a material saving of $\pm 188,000 \text{ m}^2$ per year and a waste reduction of 15-25 tons of waste.

