



SMARTER SOLUTIONS FOR BULKY WASTE

REDUCING COLLECTIONS, IMPROVING
RECYCLING OUTCOMES, AND SOLVING
DIFFICULT WASTE CHALLENGES
WITH BERGMANN ROLL PACKERS.

NIERTECH
OUR PREMIUM PRODUCT RANGE

REAL-WORLD SOLUTIONS FOR DIFFICULT WASTE STREAMS

Bulky waste streams such as timber crates, cardboard cores and oversized packaging can be costly and inefficient to manage using conventional waste handling methods.

The **Bergmann Roll Packer**, brought to you by **Vertech**, processes bulky waste directly into hook lift bins, helping businesses reduce transport, handling and disposal costs while improving site efficiency.

These Australian case studies demonstrate how Roll Packer solutions helped:

- Reduce waste collections
- Improve recycling outcomes
- Eliminate landfill dependency
- Increase bin utilisation
- Improve site safety and efficiency

From timber crates to difficult cardboard cores, these projects demonstrate how the right waste solution can deliver measurable operational and environmental benefits.



UP TO 4:1
COMPACTION
RATIO



100%
LANDFILL DIVERSION



FEWER
COLLECTIONS,
TRUCK MOVEMENTS
& HANDLING

A SMARTER WAY TO MANAGE BULKY WASTE

FROM MULTIPLE BINS TO ONE CONTROLLED SOLUTION

WASTE TYPE: BULKY TIMBER CRATES

CHALLENGE

The customer was dealing with large volumes of bulky timber crates that couldn't be efficiently compacted.

Multiple bins across the site were taking up valuable floor space, increasing handling time, and driving frequent collections.

At peak, this meant:

- Up to 10 truck movements per week
- Excess labour spent moving bins and breaking down waste
- Inefficient transport of low-density waste
- A cluttered work site that created hazards and additional OH&S concerns that needed to be managed

THE SOLUTION

Working with the waste collector, a Roll Packer was introduced as part of a broader waste management solution.

Rather than increasing collections, the focus shifted to:

- Reducing waste volume at source
- Consolidating waste into a single location
- Improving overall site efficiency
- Consolidation of the customer's waste services with Cleanaway

THE RESULTS

MANUFACTURER

- **Significant reduction in bins** across site
- Cleaner, more structured waste handling process
- **Reduced internal handling and labour time**
- Improved safety through reduced traffic and a cleaner site
- More predictable, controlled collections

WASTE CONTRACTOR

- Expanded service scope from **~50% to near 100%** of site waste
- Reduced collections from **5-6 per week to ~2**
- **Improved fleet efficiency** and redeployment
- **Stronger customer relationship** via value-added solution

“ It lets us solve operational problems, not just collect waste. ”

Waste Contractor



“ We were sending a lot of air in the containers... it wasn't efficient from a cost, space or time perspective. ”

Customer

PERFORMANCE HIGHLIGHT

- Compaction ratio: **up to 4:1**
- Typical uplift: 30-40 crates → 120-150 per bin
- Fewer collections, lower transport costs

THE TAKEAWAY

This project demonstrates a shift from waste collection to waste solution design.

For manufacturers:

A cleaner, safer, more efficient operation and happier staff

For contractors:

A higher value, more strategic service offering.

COLLECTIONS
REDUCED BY
63%

EXPANDED
SERVICE SCOPE:
FROM **~50%** TO
100%
OF SITE WASTE



Scan QR code or visit
<https://youtu.be/uVV5DKlh8k0>

FROM LANDFILL TO 100% RECYCLING

A SMARTER WAY TO SOLVE DIFFICULT WASTE

WASTE TYPE: CARDBOARD CORES

CHALLENGE

A manufacturing site generating high volumes of cardboard cores faced a growing problem. **The cores were being accepted for recycling, but their thickness and length began creating operational issues downstream.**

The challenges included:

- Material rejected by recyclers
- Default reliance on landfill disposal
- Rising disposal costs
- No viable on-site processing solution

Simplex Waste Solutions identified the issue during a site review and engaged Atlast Waste Network to help deliver a practical solution.

THE SOLUTION

Working with Atlast Waste Network, Waste Initiatives supplied a **refurbished roll packer** as an on-site solution.

Rather than transporting untreated material off site, the approach shifted to processing waste at the source.

The solution focused on:

- Compacting bulky cores on site
- Reducing overall volume
- Converting material into a recyclable form
- Eliminating dependence on landfill
- **A refurbished 20-year-old machine** was selected, aligning with both cost and sustainability objectives.

THE RESULTS

MANUFACTURER

- **100%** of cardboard cores **diverted from landfill**
- **Elimination** of landfill disposal **costs**
- **Reduced collection** frequency
- **Lower** associated transport **emissions**
- Cleaner and more controlled waste handling process

WASTE CONTRACTOR

- Delivered a practical, outcome-driven **on-site solution**
- Strengthened customer relationship through results
- Expanded capability to manage **difficult waste streams**
- Demonstrated **value through refurbished equipment**

“ we delivered an immediate on-site solution that reduced bin volume and transport costs. ”

Atlast Waste Network



“ The cores’ thickness and length caused operational issues, leading to rejection from the recycler and ultimately sending the waste to landfill ”

Customer

PERFORMANCE HIGHLIGHT

- Compaction ratio: **up to 4:1**
- **100% diversion** of cardboard cores from landfill
- Landfill reduced from **4–6 tonnes to zero.**

THE TAKEAWAY

This project demonstrates a shift from simply managing waste to designing effective waste solutions.

For manufacturers:

A clear pathway to eliminate landfill and improve operational efficiency.

For contractors:

A smarter way to solve complex waste challenges and deliver greater value.

100%
LANDFILL
DISPOSAL COSTS
ELIMINATED

URNS PROBLEM
WASTE INTO
100%
RECYCLABLE MATERIAL



Scan QR code or visit
<https://youtu.be/wXFknDPHfFw>

BERGMANN ROLL PACKER

The Roll Packer is designed to efficiently process bulky, low-density waste that cannot be compacted using traditional methods.

By breaking down large materials like timber crates, pallets, and packaging, it significantly reduces waste volume at the source and improves overall site efficiency.

FEATURES

- High-torque rotating drum with hardened teeth
- Available in hydraulic and electric drum drive
- Designed for bulky waste such as timber crates and pallets
- Continuous loading and compaction process
- Compatible with standard hook lift bins
- Heavy-duty construction for industrial environments
- Simple and safe operator controls
- Low maintenance design

OPTIONS

- Single or multi-bay configurations
- Static or mobile installation
- Integration with existing waste handling systems
- Custom bin sizes and configurations
- Service and maintenance support packages

IDEAL APPLICATIONS

- Manufacturing and production facilities
- Warehousing and logistics operations
- Waste contractors managing bulky streams
- Sites generating timber crates, pallets, or large packaging

OUTCOMES

- Fewer bins across site
- Reduced collections and truck movements
- Improved safety and site cleanliness
- Centralised waste handling
- More efficient use of labour and floor space



PERFORMANCE

- Compaction ratio: **up to 4:1**
- Improves bin utilisation
- Fewer collections, lower transport costs
- Reduced air space in transported waste

MATCH THE MACHINE TO THE MATERIAL.

For bulky waste streams, the Roll Packer delivers a smarter, more efficient solution.

THE BIGGER PICTURE

Effective waste solutions are about more than reducing volume or collections. They are about improving operational efficiency, supporting sustainability goals and delivering practical long-term outcomes.

In some cases, the right solution may also include refurbished equipment, helping businesses implement proven waste processing systems faster while reducing upfront capital investment.

By extending equipment life and improving material recovery outcomes, businesses can support broader circular economy objectives while creating cleaner, safer and more efficient operations.

Waste Initiatives works with manufacturers, recyclers and waste contractors to deliver practical waste solutions tailored to the material, the site and the operational challenge.

Get in touch with our Equipment Specialists to find out more.



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