

MAXIMISING SKIP BIN CAPACITY

HOW ROLL PACKERS DELIVER
LONG-TERM COST REDUCTIONS FOR
AUSTRALIAN BUSINESSES

REDUCE COLLECTIONS.
CUT TRANSPORT COSTS.
IMPROVE SITE EFFICIENCY.



VERTECH
OUR PREMIUM PRODUCT RANGE

WHAT WASTE TYPES?

- Timber pallets
- Wooden crates
- Cardboard cores
- Oversized cardboard
- Cable drums
- General bulky industrial waste



EXECUTIVE SUMMARY

THE REAL COST OF WASTE TRANSPORT IN AUSTRALIA

Waste management costs across Australia continue to rise, driven by fuel volatility, labour pressures, tightening compliance requirements, and increasing landfill levies.

While these external factors are well understood, a significant internal cost driver is often overlooked – inefficient use of skip bin capacity.

Bulky, loosely loaded waste frequently results in underutilised bins, requiring **higher collection frequency – often by 2-3x** times higher than necessary.

A typical **30m³ skip** may only contain **2 to 3 tonnes** of material when not compacted effectively.

In addition, operational inefficiencies such as manual waste handling, site congestion, and production disruption further contribute to the total cost of waste management.

THIS LEADS TO:



Increased transport costs



Higher collection frequency



Greater exposure to contract escalation



Inefficient use of labour and site space

A Roll Packer provides a structured solution, converting inefficient waste handling practices into predictable, measurable cost control.



THE HIDDEN COST OF INEFFICIENT SKIP BIN USAGE

YOU'RE PAYING TO TRANSPORT AIR

When waste is not compacted effectively, the impact extends beyond collection costs and into broader operational performance.



TRANSPORT AND COLLECTION COSTS

Higher collection frequency directly increases operating expenditure. Each additional pickup introduces incremental cost, often compounded by fuel surcharges and regional pricing variations.

- Every unnecessary pickup costs \$400–\$1,000+
- More collections = more invoices



CONTRACT ESCALATION EXPOSURE

Waste contracts are typically subject to annual review. Cost increases are commonly linked to:

- CPI adjustments
- Fuel price fluctuations
- Changes in landfill levy structures

Sites with higher collection frequency are inherently more exposed to these escalations and have reduced leverage during contract negotiations.



OPERATIONAL INEFFICIENCY

Inefficient waste handling contributes to:

- Congested work areas
- Increased heavy vehicle movements
- Delays in material handling and logistics
- Disruption to production activities

Over time, these factors create a measurable impact on site productivity and safety performance.

LESS COMPACTION = MORE TRIPS = HIGHER COST TO GET WASTE OFF SITE



THE FINANCIAL SOLUTION: BERGMANN ROLL PACKERS

UP TO 5X MORE WASTE PER SKIP BIN.

In a standard operating environment, loose or partially broken-down waste will typically fill a skip at approximately **2.0 to 2.5 tonnes**.

By introducing a Roll Packer, this capacity can be increased to between **6.0 and 8.0 tonnes**, depending on material type.

OPERATIONAL OUTCOMES INCLUDE:

- ✓ Reduction in collection frequency, often by **up to 70%**
- ✓ Lower transport and haulage costs
- ✓ Reduced reliance on additional bins
- ✓ Improved site safety through reduced vehicle movements
- ✓ More efficient allocation of labour resources

Roll Packers deliver a direct and measurable improvement in how waste is managed on site, with flow-on benefits across cost, safety, and efficiency.



ROLL PACKERS DON'T JUST
COMPACT WASTE.

THEY COMPACT COSTS.



ROI EXAMPLE: PAYBACK PERFORMANCE

HOW QUICKLY CAN A ROLL PACKER PAY FOR ITSELF?

The financial return on a Roll Packer is driven by reduced haulage costs, labour efficiencies, and improved waste consolidation.

SMALL PRODUCER

- Collection frequency reduced from 48 to 12 per year
- Haulage costs reduced from \$9,600 to \$2,400

ANNUAL SAVINGS:

- Haulage: \$7,200
- Labour reallocation: \$28,800

TOTAL ANNUAL BENEFIT:

\$36,000

EST. PAYBACK:

APPROX. 3.1 YEARS

LARGE PRODUCER (ALL WASTE TO SKIP)

- Consolidation of multiple bins into a compacted skip system
- Significant reduction in collection

ANNUAL SAVINGS:

- Haulage: \$69,960
- Labour reallocation: \$28,800

TOTAL ANNUAL BENEFIT:

\$98,760

EST. PAYBACK:

APPROX. 1.1 YEARS

LARGE PRODUCER (WITH CARDBOARD RECOVERY)

- Removal of cardboard from the general waste stream
- Reduced landfill exposure

ANNUAL SAVINGS:

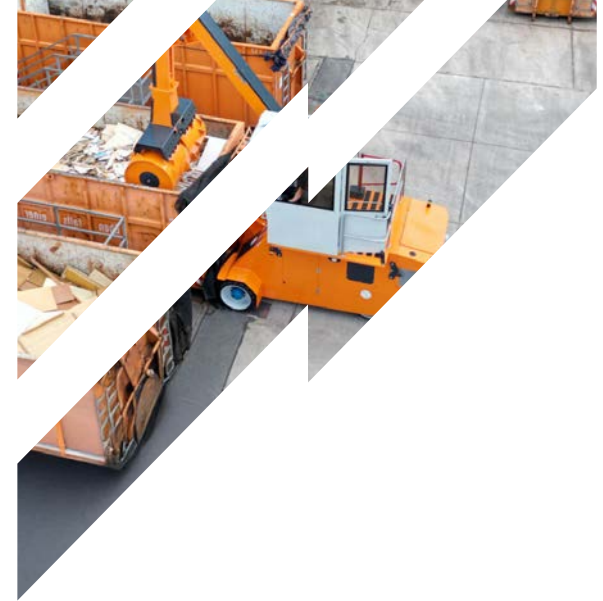
- Haulage: \$71,760
- Labour reallocation: \$28,800

TOTAL ANNUAL BENEFIT:

\$100,560

EST. PAYBACK:

APPROX. 1.35 YEARS



For high-volume operations, payback periods may be shorter depending on site conditions and waste profile.

- The scenarios are based on the investment as a single bay Roll Packer solution.
- The calculations are based on either a small or larger manufacturing concern where multiple bins were collected once a week.
- The labour savings rate is included where staff no longer break down waste and is estimated at \$120 per day.

- Additional cardboard recovery includes the addition of a vertical baler to responsibly recycle cardboard and remove it from the general waste stream.
- Savings examples are indicative only and vary depending on waste type, collection frequency, labour allocation, and site conditions.

OPERATIONAL ADVANTAGES BEYOND COST

ROLL PACKERS DELIVER FINANCIAL EFFICIENCY
WHILE STRENGTHENING OPERATIONAL RESILIENCE.

While financial performance is a primary consideration, operational improvements are equally important.



REDUCED VEHICLE MOVEMENTS

Fewer collections mean fewer heavy vehicle movements. This improves yard flow and reduces congestion.



IMPROVED SAFETY OUTCOMES

- Reduced interaction between personnel and vehicles
- Lower manual handling requirements
- Decreased exposure to workplace hazards



BETTER SPACE UTILISATION

Higher compaction allows:

- Fewer containers on site
- More efficient yard layouts
- Reclaimed operational space



IMPROVED COST PREDICTABILITY

Compaction creates consistency.

Consistent waste volume means more predictable contracts and improved financial control.

Roll Packers deliver financial efficiency while strengthening operational resilience.

LESS WASTE MOVEMENT. LESS DISRUPTION. BETTER EFFICIENCY.

ROLL PACKER RANGE

Waste Initiatives is the authorised distributor of German-engineered **Bergmann Roll Packers**, bringing over 50 years of compaction innovation to Australia and New Zealand.

RP7700

STATIC ROLL PACKER



Suitable for fixed installations and high-throughput applications.

APPLICATIONS:

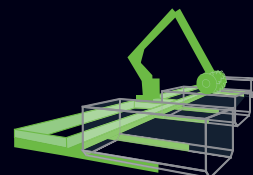
- Manufacturing facilities
- Industrial sites
- Single waste stream operations

KEY FEATURES:

- Spiked drum for effective compaction
- Approx. 1.5 tonne downward force
- Automatic lifting cycle
- Simple operation with no specialised compaction licensing

RPV7700

ROLL PACKER (MULTI-BAY)



Traversing system designed for flexibility across multiple containers.

APPLICATIONS:

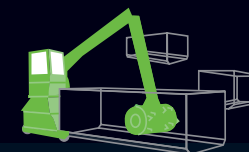
- Distribution centres
- Multi-dock facilities
- High-volume waste environments

KEY FEATURES:

- Rail-mounted system servicing multiple bins
- Enables staged loading
- Optimised for efficient material handling
- Optional operator cab configuration

RPM7700

MOBILE ROLL PACKER



Designed for flexible operation across multiple waste areas and skip locations.

APPLICATIONS:

- Transfer stations
- Distribution centres
- Large industrial facilities

KEY FEATURES:

- Self-propelled mobile compaction system
- Services multiple skip bins across site
- Spiked drum with approx. 1.5 tonne compaction force
- Reduces skip collections and transport frequency

WHY WASTE INITIATIVES

**AUSTRALIAN SUPPORT.
NATIONAL CAPABILITY.
PROVEN DELIVERY.**

Waste Initiatives provides end-to-end waste handling solutions, supported by over 40 years of industry experience.



DETAILED SITE ASSESSMENT AND COST ANALYSIS



SYSTEM DESIGN TAILORED TO OPERATIONAL REQUIREMENTS



INSTALLATION AND COMMISSIONING



NATIONAL SERVICE COVERAGE AND SPARE PARTS SUPPORT



ONGOING PERFORMANCE OPTIMISATION

**WE FOCUS ON DELIVERING PRACTICAL, MEASURABLE OUTCOMES
ALIGNED TO YOUR OPERATIONAL AND FINANCIAL OBJECTIVES.**



INDUSTRY APPLICATIONS

ROLL PACKERS ARE WELL SUITED TO A RANGE OF HIGH-VOLUME WASTE ENVIRONMENTS.



DISTRIBUTION AND LOGISTICS

Management of packaging waste and improved loading dock efficiency.



MANUFACTURING

Handling of bulky production waste and offcuts.



TRANSFER AND RESOURCE RECOVERY FACILITIES

Increased throughput without the need for additional infrastructure.

**WHERE WASTE VOLUME AND BULK ARE PRESENT,
COMPACTION PROVIDES A CLEAR PATHWAY TO
IMPROVED EFFICIENCY.**



REVIEW YOUR WASTE STRATEGY

If your operation is experiencing increasing waste costs, high collection frequency or inefficiencies in waste handling, a structured review may identify significant opportunities for improvement.

Waste Initiatives offers:

-  Site-specific waste assessments
-  ROI modelling and cost analysis
-  Equipment selection and system design
-  Flexible finance and implementation options

CONTACT OUR TEAM TO DISCUSS YOUR SITE REQUIREMENTS AND EVALUATE THE POTENTIAL FOR COMPACTION-DRIVEN SAVINGS.





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OUR RANGE