

REDUCE.

CASE STUDY

REUSER BR 700



REACT.

RECOVER.

Engineered for durability and efficiency, our balers deliver exceptional performance even under relentless demands. Designed to dominate your waste management challenges – pressing limits while exceeding expectations.

www.robust.si/reuser



Turning Cardboard Waste into Profit at Company SLO

Introduction

Many companies struggle with managing waste cardboard, often seeing it as a liability that incurs additional costs for disposal. Company SLO, a medium-sized manufacturing business in Slovenia with approximately 50-70 employees, faces this exact issue. They accumulate around 10 tons of cardboard waste annually and pay local waste collection companies approximately 20€ per ton, plus an additional 10€ per ton in service fees, amounting to a total cost of 30€ per ton.

Problem Statement

At first glance, the cost of waste cardboard disposal might seem negligible. However, cardboard can actually be a valuable resource. By shifting perspective and leveraging this material, Company SLO can potentially transform a cost center into a profit stream.

Potential Revenue from Cardboard Waste

At first glance, the cost of waste cardboard disposal might seem negligible. However, cardboard can actually be a valuable resource. By shifting perspective and leveraging this material, Company SLO can potentially transform a cost center into a profit stream.

Investment Requirement

To achieve this revenue, Company SLO would need to invest in a small, compact, and economical baler. One suitable option is the Robust BR 700, which costs approximately 4,990€ net.

Return on Investment (ROI)

The ROI can be calculated based on the potential annual revenue and savings versus the cost of the baler.

- Total Investment: 4,990 €
- Annual Revenue: 700€–2,500 €
- Annual Savings on Waste Collection: 300 €
- Total Annual Financial Benefit: 1,000€–2,800 €

To calculate the ROI:

$$ROI = \left(\frac{\text{Annual Financial Benefit}}{\text{Total Investment}} \right) \times 100$$

Low ROI:

$$ROI_{\text{low}} = \left(\frac{1,000\text{€}}{4,990\text{€}} \right) \times 100 = 20.04\%$$

High ROI:

$$ROI_{\text{high}} = \left(\frac{2,800\text{€}}{4,990\text{€}} \right) \times 100 = 56.11\%$$

Payback Period

To determine the payback period, we need to calculate how long it will take for the savings and revenue to cover the initial investment of 4,990€.

- **Low-end Annual Financial Benefit: 1,000€**
- **High-end Annual Financial Benefit: 2,800€**

Payback period (in years) can be calculated by dividing the total investment by the annual financial benefit.

Calculating the payback period: Low payback period:

$$\text{Payback}_{\text{low}} = \frac{4,990\text{€}}{1,000\text{€}} = 4.99 \text{ years}$$

High payback period:

$$\text{Payback}_{\text{high}} = \frac{4,990\text{€}}{2,800\text{€}} \approx 1.78 \text{ years}$$

Conclusion

By investing in a baler Reuser BR 700 and selling cardboard waste, company SLO can turn existing costs into a source of revenue, with a potential ROI of 20.04% to 56.11%. The payback period for this investment is estimated to be between 1.78 and 4.99 years, making it a financially viable option. This strategy not only reduces waste disposal costs but also contributes to sustainability efforts, offering both financial and environmental benefits.