

Introducing In-House Scrap Reclaim

Not all plastics processors have size reduction equipment to reprocess material back into their workflow. This return on investment (ROI) calculation is based on not having any scrap reclaim in house currently and adding a central granulation system.

Initial Equipment Investment Realized in Year One

Today's increasingly competitive marketplace makes recycling scrap materials an attractive alternative to sending them out for reprocessing. By closing the loop in your manufacturing facility, and utilizing more regrind, you can increase your profitability. Your initial equipment investment payback is significant even within the first month of ownership.

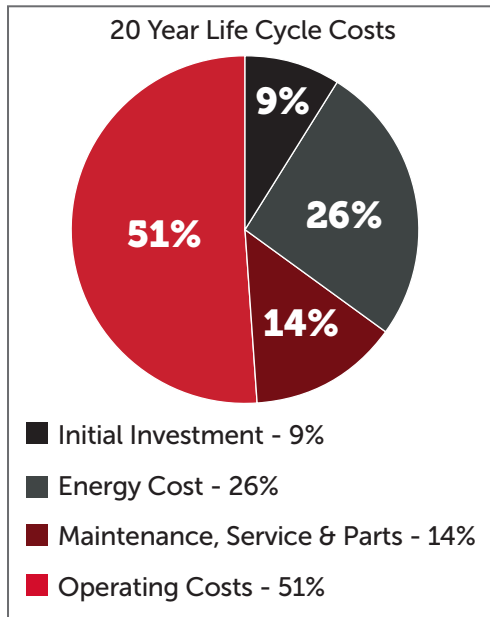


T50120 Central Granulator

How to Calculate your ROI over the Equipment Lifetime

$$\frac{\text{Annual Raw Material Savings} - (\text{CapEx} + \text{OpEx})}{\text{CapEx}} \times 100$$

CapEx = Initial Granulator Investment OpEx = Operation Costs



Input Values Impacting Life Cycle Cost	
Labor Cost - \$/hr	\$20
Duty Time (1 Shift) - hrs	8
Production Days Per Year	255
Energy Cost - \$/kWh	\$0.10
Raw Material (HDPE) - \$/lb	\$0.52
Operating Granulator Throughput - lbs/hr	2000
Max Granulator Throughput - lbs/hr	3000
Power Factor - (Op T-put/Max T-put)	67%
Operator	1

This facility operates only one 8 hour shift, 5 days a week. They purchased a Cumberland T50120 Granulator with blower evacuation system to process 2,000 pounds an hour on average.

Maximize Your Return On Investment

Contact Cumberland today to learn more about how in house recycling of scrap material can help you increase profitability, simplify workflow and reach your company's sustainability goals.

Based on annual raw material savings alone, the initial granulator system investment paid for itself in less than 22 days.