

Introducing...

# The Premium Bulb Eater®

**The safe, efficient way to recycle fluorescent lamps.**

The "Premium" Bulb Eater® system not only crushes spent fluorescent lamps of any length into 100% recyclable material, but also captures over 99.99% of the vapors released! The system, which is mounted to a 55-gallon container, can hold up to 1350 4' fluorescent lamps.

A three-stage filtering process removes hazardous particulates and gases. A recent study showed non-detectable levels of escaped mercury vapor even after crushing 1500 lamps. A new safety control panel has also been added, giving the operator added security by monitoring seven aspects of the machine to better ensure operator safety.

In addition to providing EPA and OSHA compliance, the Bulb Eater® frees up valuable storage space normally filled with boxes of spent whole lamps, reduces handling and related labor costs, and typically cuts recycling costs by 50% or more.



1. Powerful, UL listed, 3.3A motor crushes lamps from 1' to 8' long in roughly one second!
2. Activated carbon filter captures and neutralizes virtually all of the mercury vapors released during the controlled crushing of lamps.
3. Removable entry tubes accommodate all tube lengths and sizes.
4. Dual-action, replaceable HEPA filter removes virtually all particulates with high capacity vacuum unit.
5. 55-gallon drum (sold separately) will hold up to 1,350 crushed lamps to reduce storage requirements and handling prior to recycling.

**The Bulb Eater® was named Reader's Choice "Product of the Year" by Today's Facility Manager magazine in 2002.**

 **SYBERTECH**  
Waste Reduction Ltd.

For more information contact:  
Shawn Martin  
1-888-888-7975  
smartin@swrl.com

# Machine Benefits





Eliminate storage hassles - Reduce your needed storage space for lamps by crushing over 1350 T8 4' lamps per 55-gallon drum (The Bulb Eater® crushes all length lamps, see picture to better visualize size reduction).

Reduce handling - Handle your spent bulbs once. Simply roll your Bulb Eater® lamp crushing system on a 55-gallon drum dollie (sold separately) to the work area or into a storage area. Save roughly 20 hours of labor per 1000 lamps by crushing rather than boxing the lamps!

Safer work environment - EPA studies show an estimated 2-3% accidental breakage rate while boxing lamps prior to pick-up. The 0.001% emission rate from the Bulb Eater® lamp crushing system provides for less mercury vapor emission. Your workers are not only safer, but your liability is reduced!

Cut costs - By pre-crushing the lamps, facilities are able to save money on their lamp recycling costs. Savings are typically anywhere from a dime to \$1 per lamp!

## Bulb Eater® Premium Specifications

<b>FEED RATE</b>	Model 55 VRS, Model 55 VRS-U	20 lamps per minute (Operator's speed may vary)		
<b>FILTRATION</b>  <small><sup>1</sup> Air Sampling for Mercury Vapor and Particulates, As tested by Brice Chastain (C.I.H. #4850) Geo-Centers on October 22-25 2002; Results based upon crushing 1500 T12 4' fluorescent lamps and changing the drums out twice in a small warehouse with normal ventilation. Readings were below detection level of 0.00005 mg/m<sup>3</sup>.</small>	Model 55 VRS, Model 55 VRS-U	<b>Stage 1</b> 	Industrial Grade Bag Filter <i>(Replace twice per drum)</i>	1 micron @ 99% particle retention
		<b>Stage 2</b> 	H.E.P.A. Filter <i>(Replace every 10 drums)</i>	.3 micron @ 99.99% particle retention <i>(Exceeds H.E.P.A. standard @ 99.97%)</i>
		<b>Stage 3</b> 	Activated Carbon Filter <i>(Lifetime capacity - calculated rating of 1 million lamps)</i>	0.00005 mg/m <sup>3</sup> of mercury vapor <sup>1</sup> at exhaust <i>(Exceeds OSHA standard of 0.1 mg/m<sup>3</sup>)</i>
		Exposure In Operator's Breathing Zone		0.00005 mg/m <sup>3</sup> of mercury vapor <sup>1</sup> <i>(Exceeds OSHA standard of 0.1 mg/m<sup>3</sup>)</i>
<b>CRUSHED LAMP CAPACITY</b>	Model 55 VRS, Model 55 VRS-U	1350 800 300 400	4' T8 Straight Lamps (1.0" diameter) per drum 4' T12 Straight Lamps (1.5" diameter) per drum 4' T17 Straight Lamps (2.0" diameter) per drum 8' T12 Straight Lamps (1.5" diameter) per drum	
	Model 55 VRS-U	450	4' T12 U-tube Lamps (1.5" diameter) per drum	
<b>VACUUM MOTOR</b>	Model 55 VRS, Model 55 VRS-U	40 c.f.m. - 5.5 amps - 120v		
<b>MOTOR</b>	Model 55 VRS, Model 55 VRS-U	1/6 h.p. - 1 amp - 120v		
<b>CONTROL PANEL</b>	Model 55 VRS, Model 55 VRS-U		New Safety Control Panel Adds Additional Safety By Monitoring 7 Aspects of the Machine	Full Drum Indicator Light, Red, Palm-Style, Stop Button, Green, Safety-Shrouded, Start Button, Purge Cycle Timer and Pilot Light, Lid Off / Drum Open Pilot Light, 10 amp Circuit Breaker, Power-on Pilot Light.

**Our most recent emission study showed non-detectable levels of mercury vapor emissions even after crushing 1500 lamps!**

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