

# BULB EATER® 3L

with Intelli Technology®

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

The Bulb Eater® 3L system not only crushes spent fluorescent lamps of any length, u-tubes, and CFL's into 100% recyclable material, but it also captures over 99.99% of the vapors released! The system, which is mounted to a 55-gallon drum, can hold up to 1350 4' fluorescent lamps. A four-stage filtering process removes hazardous particulates and vapors. A recent study showed non-detectable levels of emitted mercury vapor even after crushing 1700 lamps. A digital control panel gives the operator added security by monitoring various aspects of the machine to better ensure operator safety.

In addition to providing OSHA and ACGIH compliance, the Bulb Eater® 3L frees up valuable storage space normally filled with boxes of spent intact lamps, reduces handling and related labor costs, and typically cuts recycling costs by 50% or more.

### Onboard controls with *Intelli Technology*®

- Multiple sensing points that assist with machine diagnostics and maintenance/filter change-outs.

1. Powerful DC motor crushes lamps from 1' to 8' long in less than one second!
2. Removable entry tubes accommodate all lengths and diameters of linear lamps. Lower angle and entry height improve operator comfort.
3. Digital control panel with LCD display and self-diagnostic fault codes.
4. Removable CFL/U-tube chute allows for any size of fluorescent lamps (sold separately).
5. New 4-Stage Filter System
  - Upgraded cartridge filter catches any fine particles (1st stage).
  - Dual-action, replaceable HEPA filter removes particulates (2nd & 4th stage).
  - 3rd stage Activated Carbon filter captures and neutralizes mercury vapors released during the controlled crushing of lamps.
6. 55-gallon drum (sold separately) will hold approximately 1,350 4' T8 crushed lamps to reduce storage requirements and handling prior to recycling.



### Online Bulb Eater® 3L Certified Training Program

This program includes a training video, quiz, and certificate of completion.



[www.lightbulbsurplus.com](http://www.lightbulbsurplus.com)

ETL Certified



The Bulb Eater® 3 with Intelli Technology® was named a "Money Saving Product for 2015" by Buildings Magazine and "New Product of the Year for 2015" by Environmental Protection.

# Machine Benefits



**Eliminate storage hassles** - Reduce your needed storage space for lamps by crushing 1350 T8 4' lamps per 55-gallon drum.

**Reduce handling** - Handle your spent bulbs once. Simply roll your Bulb Eater® lamp crushing system on a 55-gallon drum dolly (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!

**Nationwide recycling program** - Enjoy competitive rates for lamp recycling. Fully permitted trucks are used for transportation and Certificates of Recycling are provided once the lamps are recycled.

**Bulb Eater® 3L Certified Training** - online, 5-step program covering Bulb Eater® 3L assembly, operations, safety, and maintenance. This program includes a training video, quiz, and certificate of completion.

## The Bulb Eater® 3L Specifications

<b>FEED RATE</b>	30 lamps per minute (Operator's speed may vary)		
<b>CRUSHED LAMP CAPACITY</b> <small>*Approximate; individual experience may vary</small>	1500	4' T5 Straight Lamps (0.625" diameter) per drum	
	1350	4' T8 Straight Lamps (1.0" diameter) per drum	
	875	4' T12 Straight Lamps (1.5" diameter) per drum	
	300	4' T17 Straight Lamps (2.0" diameter) per drum	
	400	8' T12 Straight Lamps (1.5" diameter) per drum	
	550	4' T12 U-tube Lamps (1.5" diameter) per drum	
	3,000	CFL's (Compact Fluorescent Lamps) per drum	
<b>FILTRATION</b>  <small><sup>1</sup> Air Sampling for Mercury Vapor and Particulates, As tested by Burea Veritas (N.A.) on September 8th, 2016 Results based upon crushing 2500 4' fluorescent lamps and changing the drums out twice in a warehouse and small office with normal ventilation.</small>	Exposure In Operator's Breathing Zone		<sup>1</sup> All air sample results collected during assessment were below the limits of analytical detection, and less than the OSHA PEL (0.1 mg/m <sup>3</sup> ) and ACGIH TLV (0.025 mg/m <sup>3</sup> )
	<b>Stage 1</b> 	High Capacity Cartridge Filter (Approximate life: 4 drums)	1 micron @ 99% particle retention
	<b>Stage 2 &amp; 4</b> 	H.E.P.A. Filter (Approximate life: 12 drums)	.3 micron @ 99.99% particle retention (Exceeds H.E.P.A. standard @ 99.97%)
	<b>Stage 3</b> 	Activated Carbon Filter (1500 hrs. running time)	Calculated life of approximately 1 million lamps
<b>CONTROL PANEL</b>		Control Panel with a Digital LCD Display with <b>Intelli Technology®</b>	LCD Display for indicating which mode the machine is in and any defaults that might occur. Additional measuring points that assist with machine diagnostics and maintenance/ filter change outs. Emergency stop button, start/stop button.
<b>TOTAL FULL LOAD AMPS</b>	8.5 amps @ 120 vac, 50-60 Hz, single phase; 4.25 amps @240 vac, 50-60 Hz, single phase		
<b>VACUUM</b>	Flow-through type vacuum motor, series wound, brush type, 5.42 amps, 120 vac, 650 w, 60 Hz, single phase		
<b>ETL Certified</b>	UL 73: Issued: 2011/03/02 Ed: 10 UL Standard for Safety for Motor-Operated Appliances CAN/CSA C22.2 No. 68: Issue: 2009/09/01 Ed: 7 Motor-Operated Appliances		
<b>MOTOR</b>	TENV Enclosure, 1/5 h.p. – 2 amp – 120vdc		

### Model #'s ; Description

333-100-120 ; 110v, BE 3L crushes straight, u-bend, & CFL lamps

333-100-240 ; 220v, BE 3L crushes straight, u-bend, & CFL lamps