

# FLUORESCENT LAMP RECYCLING

## Lamp Recycler TL 08

An innovative  
Fluorescent  
Lamp Recycling  
System.

Effective and  
Efficient  
Treatment of  
Wastes  
Containing  
Mercury Vapor.



## Mercury Recovery from Fluorescent Lamps State of the Art Technology

Lamp waste causes more Mercury contamination of the environment than any other consumer product! Many companies are discovering this fact and the urgent need to find a recycling system to safely handle this Mercury-bearing waste. Also, when you are looking for a safe system, you want to ensure that the maximum amount of Mercury is being reclaimed to protect the environment and help you avoid potential environmental and liability risks.

BMT Services now offers such a solution by means of the innovative **Lamp Recycler TL 08**.

The Lamp Recycler TL 08 consists of the following elements and/or parts:

1. the Fluorescent lamps are deposited onto the transport conveyor
2. the lamps are conveyed horizontally to a first crusher
3. crushed bits and pieces are collected in a collector equipped with an active carbon filter system
4. the horizontal crusher produces parts of 4 – 20 mm length
5. a second (vertical) crusher crushes the parts down to 2 – 4 mm

6. a transport screw brings the parts to a second collector
7. from this collector all waste goes to the pre-heated screw conveyor
8. in this screw the waste is heated and Mercury vapors come free
9. under suction the Mercury vapors are discharged of and condensate further down the system
10. elementary Mercury, water and condensate are collected in a dedicated vessel
11. a screw conveyor transports the dry material further to the separation unit
12. a sieve separates the powder fraction
13. a magnet separates the metal parts
14. the final residue consists of mainly glass

15. the vapors are discharged of via an active carbon filter

The **Lamp Recycler TL 08** is skid mounted, computer controlled and has its own heating device, cooling unit and suction pump. It is assembled with first class quality products to ensure trouble free operation. Total weight is 4.500 kg.

The total possible capacity of the machine is 150 kg/hour (!).

Please find contact details below for more information.

### Process Overview

