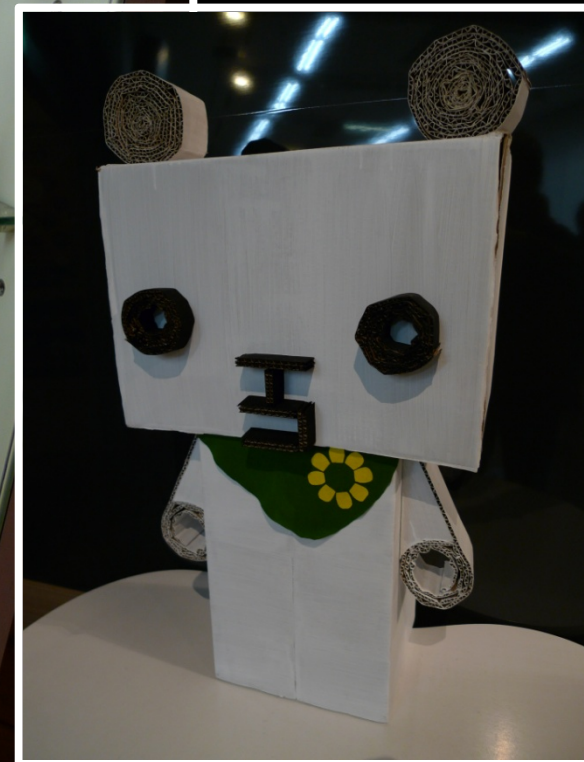


# Florescent tubes recycling

By: Elena (Russia)



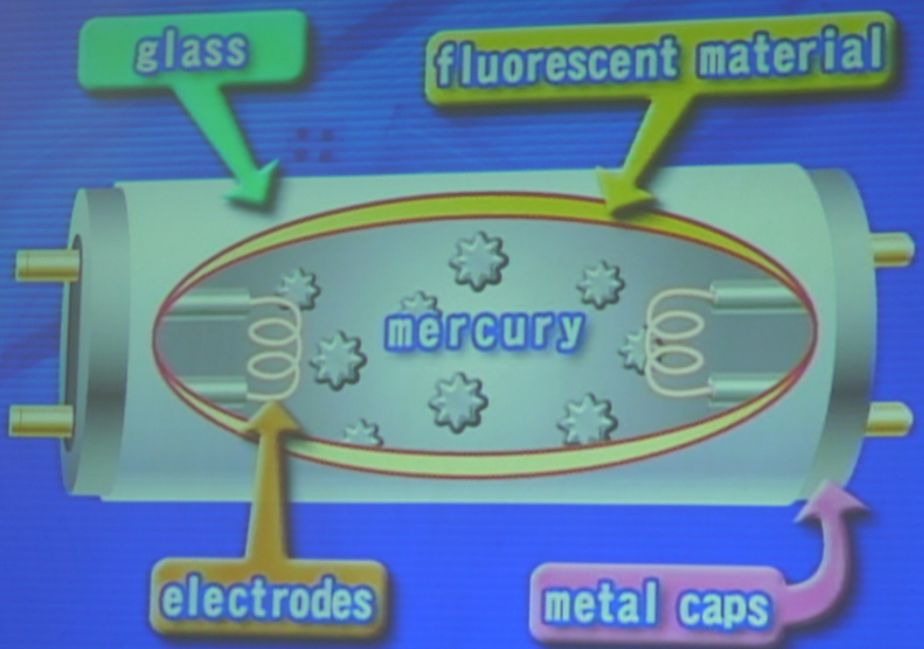
Every year in Japan over 400 mill used florescent light tubes are disposed of.



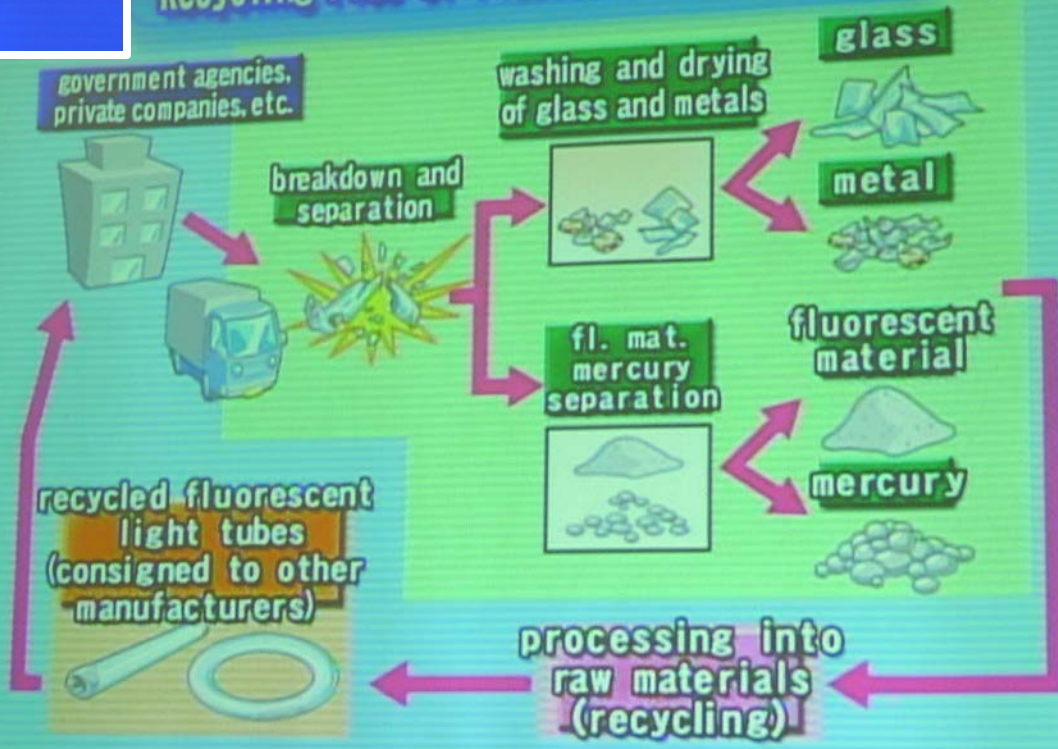
# Factory of Japan Recycling Light Company in Kitakyushu Eco Town, 1 March 2013

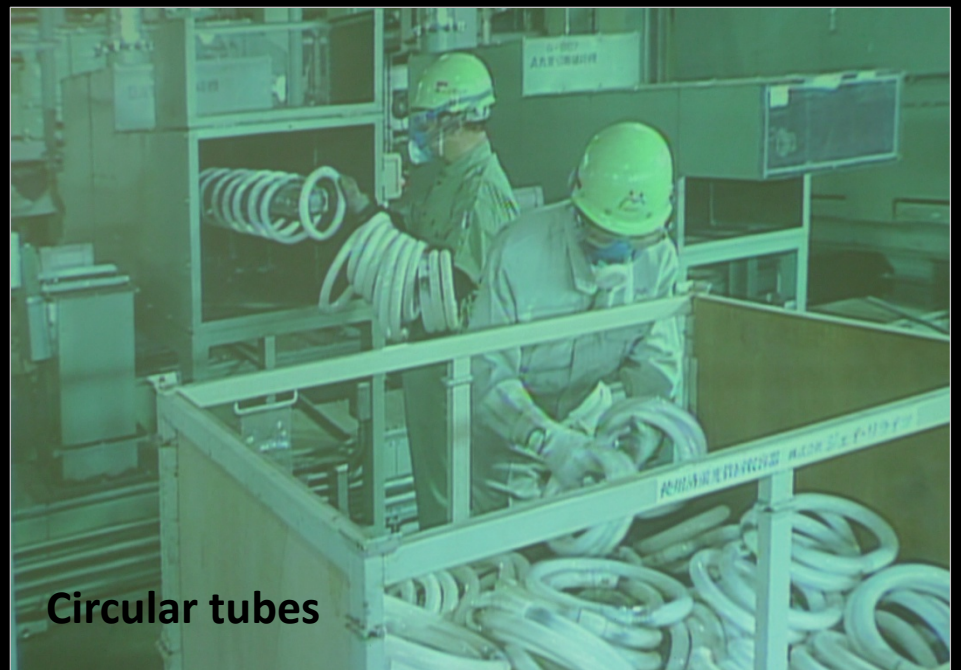
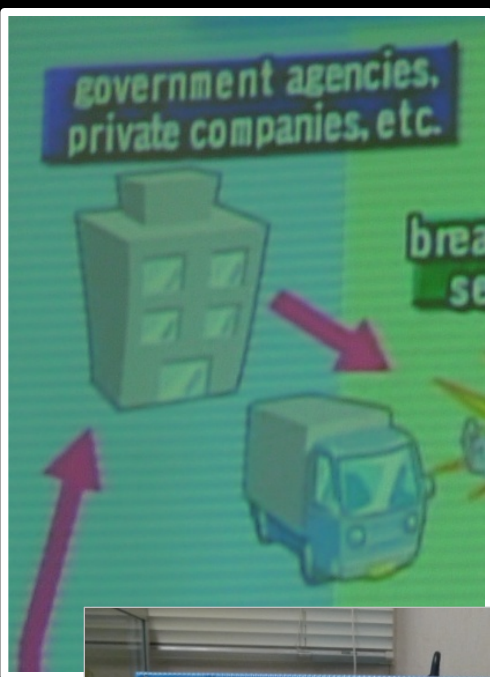
- 25 mill tubes/year
- established about 10 years ago
- 18, 3 tons/day;
- 111,600 tubes/day  
(assuming 12 hours of operation/day)

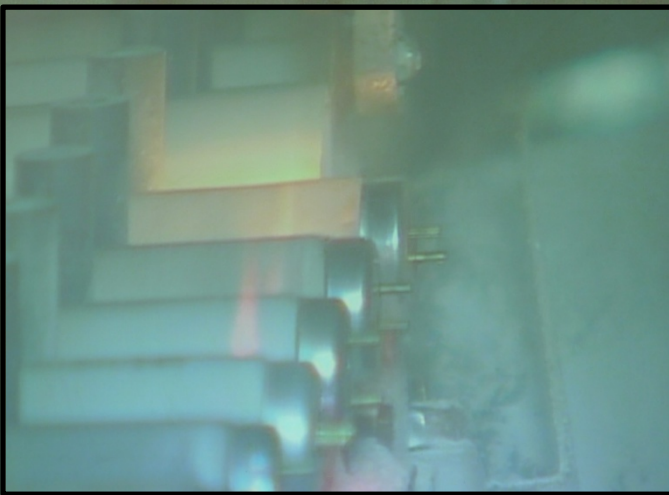
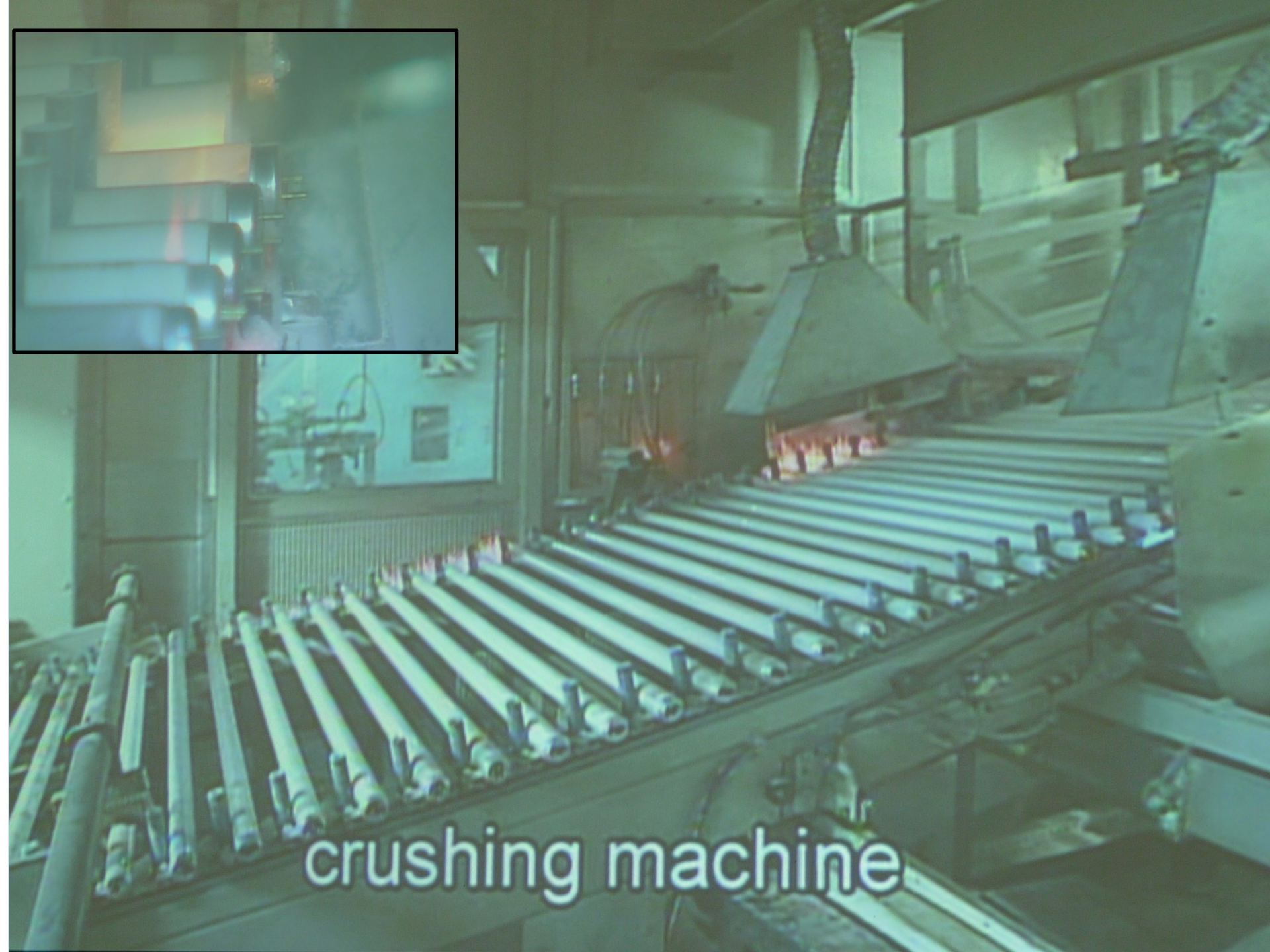




### Recycling Flow of Fluorescent Light Tubes

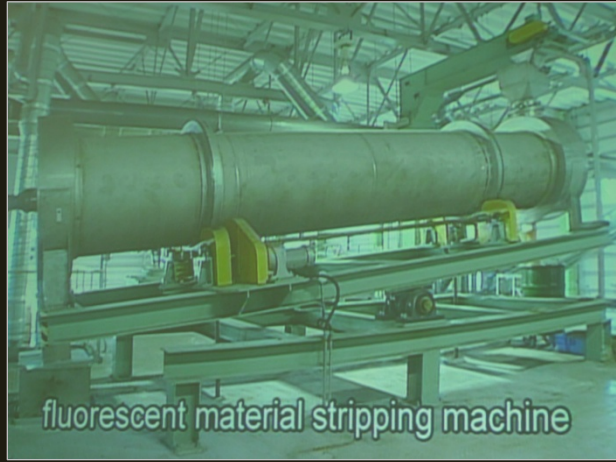




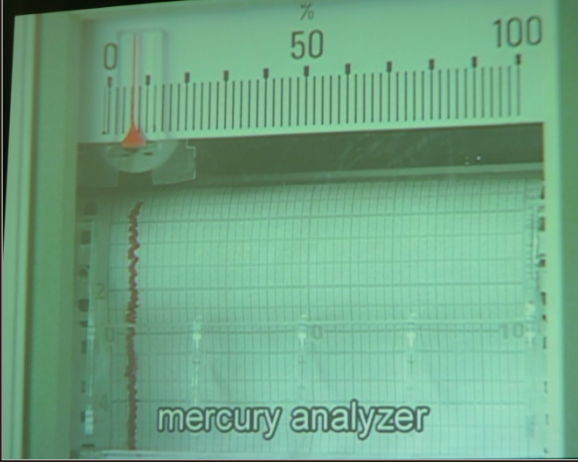


crushing machine

# washing and drying of glass and metals

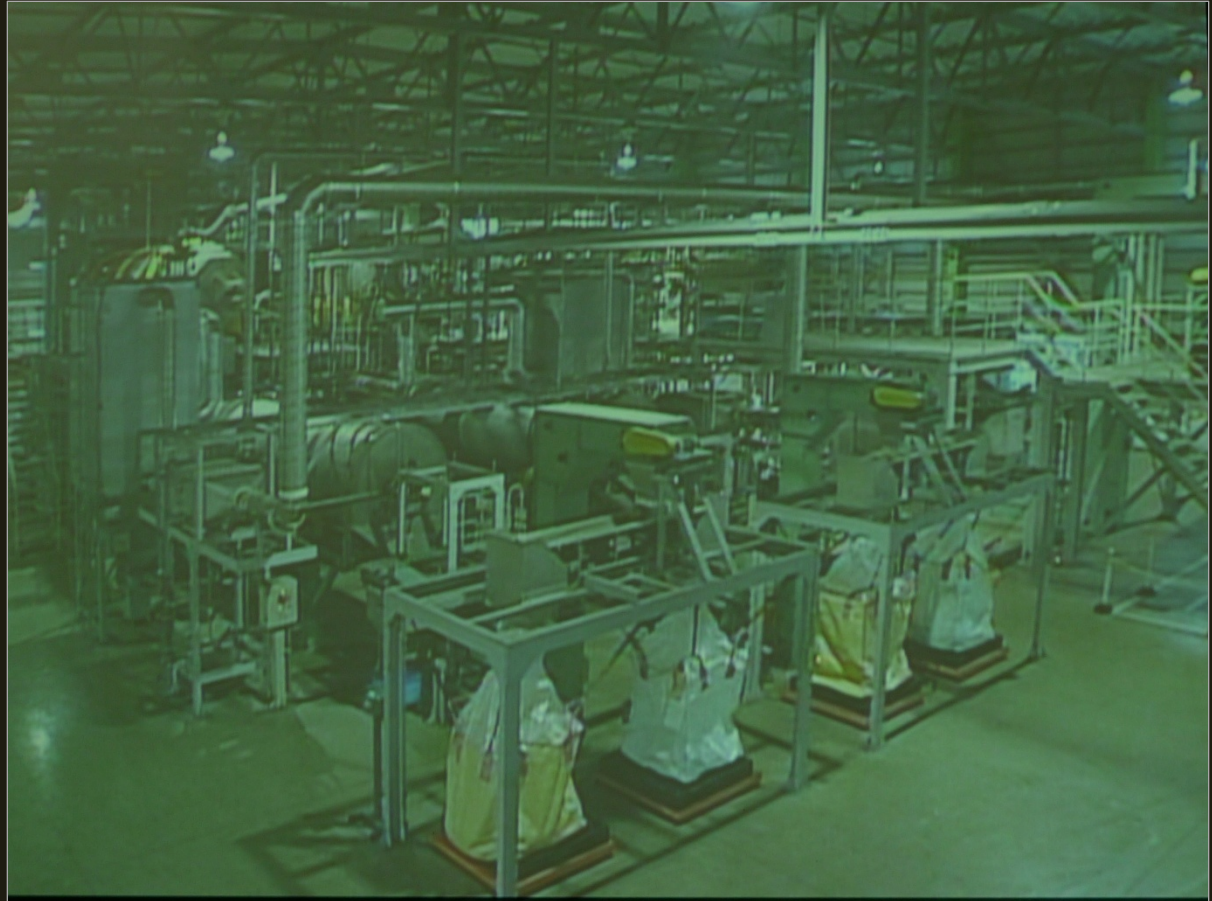
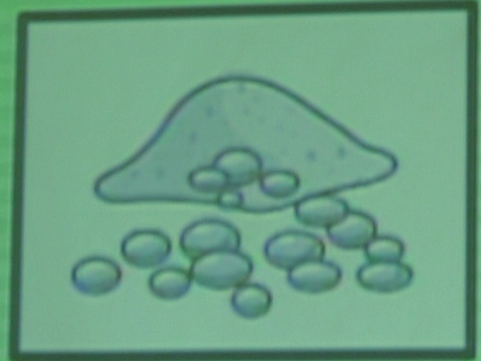


fluorescent material stripping machine



mercury analyzer

# fl. mat. mercury separation



+ steel

ガラス  
Glass

アルミ  
Aluminum

けいこうたい  
蛍光体  
Fluorescent substances

すいぎん  
【水銀】  
Mercury





# Recycled raw materials



● Glass cullet



● Pin bases (Al) + steel



● Phosphors

※ 三波長蛍光体: 赤・緑・青の3色の蛍光体を調合した蛍光体



● Mercury

# New uses



● ガラス製品・路盤材



Metals



Cement materials



Refined mercury



Glass products and roadbed materials

路盤材

Thank you  
for your attention!

