



## Mishimax : Large Scale Turbo Composter

Turbo composter to reduce the organic volume up to 95% in 24 hours.

Mikuniya Co.Ltd.,  
[www.mikuniya.jp](http://www.mikuniya.jp)

The company was founded in 1985 under a theme of the sea and its harmony. Since then, the company has worked to achieve balance and harmony between the human development and the nature.

Mishimax was originally developed to tackle the excess sludge problems encountered in wastewater treatment plants. The technology relies on aerobic fermentation at high temperature. The fermentation tank is partially filled with cedar chips to facilitate microbial settlement at high density. The cedar chips are changed every 3 to 6 months, and the used chips are reused as organic fertilizer rich in nitrogen and phosphorus.

Mishimax regulates the optimal temperature and the optimal moisture content so that the microbial degradation of input organics takes place quickly. The system functions with various organic matters including wastewater sludge, livestock manure, organic portion of municipal solid waste, etc. Mishimax can treat from 25kg/day to 15 tons/day, depending of the need.

