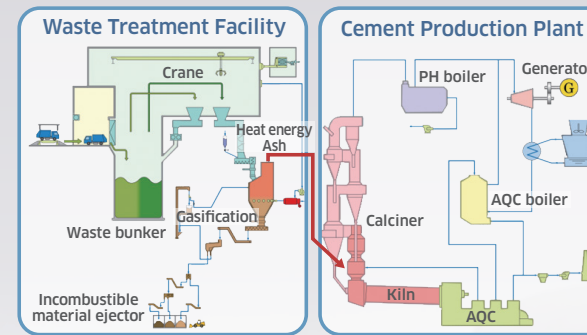


CKK System

Conserving energy and resources through effective use of waste

“The CKK System—Conch Kawasaki Kiln System—” integrates a waste incinerator into existing cement plants, requiring 70% fewer components than the installation of a waste incinerator alone would require. It effectively uses heat energy and ash generated from waste incineration to reduce CO₂ emissions.



2020

**Kawasaki
Ecological Frontiers
S class**

Initial registration: 2014



Product Description

The CKK System integrates a waste incinerator into an existing cement plant, thereby combining cement manufacturing with waste processing, and effectively utilizes the heat energy and ashes resulting from the incineration of waste as fuel and raw materials, respectively, for cement-making operations.

Features

- Lower fuel costs
By effectively utilizing the heat energy generated during gasification of waste as a power source for cement production, fuel costs for cement calcination have gone down 5%.
- Reduced volume
Since a cement plant can process exhaust gas and ashes at existing facilities, this combined structure requires far less in the way of equipment than a stand-alone waste incineration facility would need.