

Crusher Dedicatedly
Developed for Waste Treatment

Vertical-type High-speed Rotary Pulverizer

Feature

- This equipment is a vertical-type pulverizer of simple construction that disposes of a wide range of wastes with the use of the free-fall force of the wastes.
- The high-speed rotation of the equipment generates a large quantity of discharge air currents. Therefore, gas that may cause explosion accidents will not stagnate inside easily.
- The rotation direction of the equipment can be changed at the flip of a switch. Furthermore, only the damaged parts of the hammer of the equipment can be replaced.

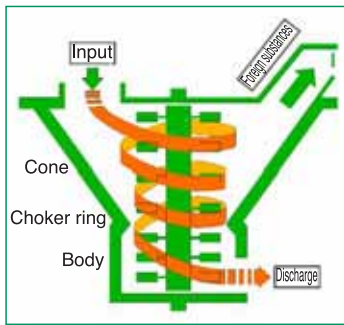


Image of Pulverizing Process



Hammer Assembly of Type-58 Pulverizer

Overview

(Technical principles, actions, etc.)

Covers a Wide Range of Wastes

An unwanted material that is put into the equipment from the upper side is roughly crushed while the unwanted material free-falls through the conical section. Foreign substances that cannot be crushed are automatically eliminated from the rejection opening. The unwanted material is finely pulverized in the choker ring section, where the space between the hammer and inner wall is narrowest. The unwanted material is further pulverized between the hammer and body liner on the bottom part of the equipment and discharged from the outlet. Wastes put into the upper side are pulverized in steps, thus not requiring a supply feeder for the volumetric feeding, prior crushing, and capacity reduction of the wastes.



Kyokuto-Tremache Type-58 Pulverizer

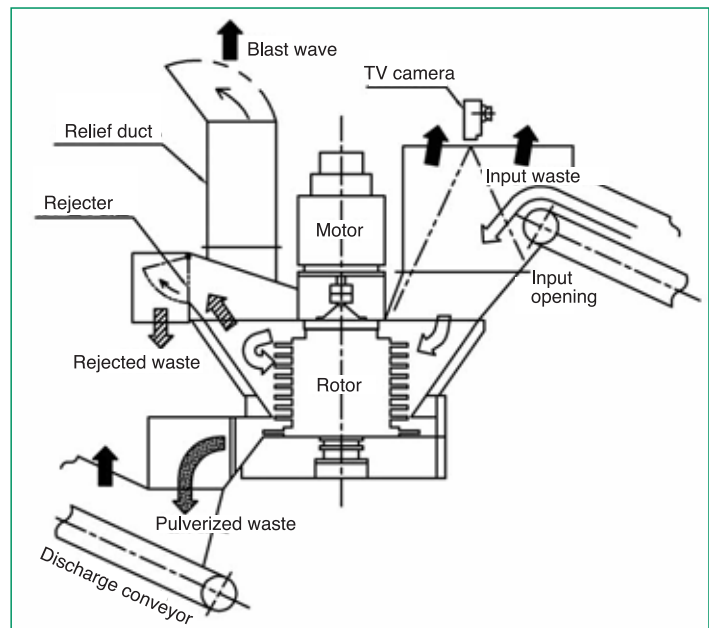
High Safety

The ignition of combustible gas overwhelmingly causes pulverizer explosions if the combustible gas stagnates inside the pulverizer. The hammer of the Kyokuto-Tremache Type-58 Pulverizer rotates

at high speed and generates a large quantity of discharge air currents, thus well ventilating the interior. This is one of the features of this equipment, the structure of which resembles that of a fan.

Operability and Maintenanceability

The rotation direction of the equipment can be changed at the flip of a switch, which makes it possible to use both edges of the hammer and liner evenly. Furthermore, a TV camera can be used to monitor the interior of the equipment, which makes it possible to grasp the pulverizing condition of the wastes, enables the early detection of problems, such as the ignition of the wastes, and allows the safe operation control of the equipment. The hammer, which wears out most remarkably in the equipment, consists of a hammer arm and hammerhead that are assembled with a hammer peg. The hammerhead is replaceable independently, which ensures ease of maintenance and is economical.



Construction Diagram of Pulverizer

Effects

Low Cost and Energy Saving

This equipment does not require accessory installations, such as vibrating conveyors, feeders, or anti-vibration devices, thus saving the initial cost of installation. Furthermore, the running cost of the equipment is low because the equipment can use a low-capacity motor under the following reasons. Therefore, this equipment is an energy-saving product.

- ① Waste is finely pulverized in steps, which is unlikely to cause temporary electrical overloads.
- ② Waste free-falls in the equipment, which does not require power to stir up the wastes.
- ③ The running cost of the abovementioned accessory installations is not required.

Furthermore, the hammerhead is replaceable independently, which ensures the economical maintenance of the equipment.

Applicable field
Waste Treatment

Water

Energy saving/Energy recovery

Energy storage/Energy creation

New energy

Waste disposal/
Recycling/
Resource saving

Air

Soil

Other

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