ABSTRACT

INTEGRATED APPARATUS FOR COMPREHENSIVE TREATMENT OF FOOD WASTE AND PRODUCT MANUFACTURING METHOD

Disclosed are integrated equipment for comprehensive treatment of food waste and a product manufacturing method. The equipment consists of a central intelligent automatic control system, an air treatment system, a straw biochemical system, an advanced oxygenation forced decontamination system, a joint screening and impurity removal system, a composite biochemical system, an automatic drying system, a joint conveyor system, a waste plastic reverse engineering system, a sludge treatment system, a wastewater treatment system, a grease treatment system, and a hot flue gas joint treatment system. Products produced are a nutrition-rich microbial protein feed, a National III mineral diesel, a biodiesel, an emulsified diesel, a low-sulfur clean coal, a hybrid charged adsorbent, and industrial recovered water. The rate of resource utilization of food waste reaches 95% or move, and the production process is basically free of wastewater discharge, free of sludge transfer, free of greenhouse emission, free of odor emission, free of smog emission, and free of residue transfer.

[FIG. 1]