

Abstract

A food processing residue is charged into a rotating drum (11), and agitated, with hot air being supplied from a hot air feeder (30), and a microwave being supplied from a microwave feeder (50), into the rotating drum (11). The food processing residue in the rotating drum (11) is heated with hot air from its surface side, and heated by microwave induction heating from its inside. Thus, the food processing residue is heated uniformly as a whole, and uniformly dried in a short time to become a dry product. Since drying is possible without overheating, the food processing residue can be dried to an optimal water content, without carbonization of the dry product. A dry product usable as a material for dry foods or as a livestock feed can be obtained.