

Low-Temperature Rolling-Bed Dryer



ALMO Process Technology's new Rolling Bed Dryer addresses some of the issues faced when using rotary drum driers, belt driers or fluid bed driers: insufficient product residence times, partial overheating of the solid, inability to use low temperature secondary heat and poor solid mixing. The non-uniform bulk material is steadily and homogeneously mixed and stays in the dryer for long retention times in spite of the compact design of the dryer.

The first Rolling Bed Dryer was installed at Topell Energy in The Netherlands. Topell uses two of the new dryers to convert wood waste into charcoal by a pyrolysis process known as torrefaction. The charcoal is pelletized to be stored, transported then used at power stations to make electricity.

The dryer can produce new and alternative fuels from the preparation and drying of organic wastes such as wood chips and green waste in a safe, environmentally friendly and economical manner.

Source URL (retrieved on 01/29/2015 - 8:17am):

http://www.chem.info/product-releases/2011/01/low-temperature-rolling-bed-dryer?cmpid=related_content