

Ultrahigh Temperature Gasification of Organic Materials

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The Pyromex Technology as the Solution to the Waste Problem:

The technology presented in this poster is the process-technological analogy to the thermoanalysis. Whereas in thermoanalytical experiments the heat of decomposition-reaction is measured and the kind and amount of gases produced is analysed quantitatively, in the Pyromex Process, the reaction heat is supplied by induction heating and the gas produced is purified and used for electricity production and process-heat applications. In the poster presented, the basic reactions in the process re explained and the schematics of the Pyromex Process is shown. The poster shows our first operational plant in Emmerich (Germany) and technical as well as commercial data are given.