



Plastics to solid fuel

Recycling scheme of mixed plastics as solid fuel

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For 48 years, IKC worked to deliver quality machinery products. With the experiences obtained in ship parts production, today IKC manufactures machines for recycling for futur circular society.

IKC proposes the use of plastic waste to generate cubic plastic fuel (CPF) that can be used as an alternative fuel source in certain industries such as cement industry. CPF scheme is much simpler than a classical RDF (refuse derived fuel). It is also cost effective (50% in CAPEX and OPEX compared to RDF) as there is no thermal processes such as heating and drying involved in CPF production. CPF generally has a stable caloric value (5000 to 6000 kcal/ton CPF), and various types of plastics can be used for CPF such as:



IKC designs and manufactures shredder, crusher and compactor (bailer), and provides the engineering works for the entire process line for CPF production.

