

Save production cost by using alternative raw materials

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In many parts of the world, raw wood material has become scarce and expensive. We are in competition with the biomass power plants and pellet plants for the same raw material. Unfortunately, the governments around the globe, concerned about the carbon footprint, strongly support the burning of wood over the use of panel products for another lifecycle, such as kitchen cabinets and furniture. This situation forces the wood panel industry to look for alternate raw materials.

For several years, in both Japan and Europe, urban waste is used as raw material for particleboard. The cleaning technology to make the urban waste usable for panel production is developed and available for other regions. The Dieffenbacher ClassiCleaner® very successfully cleans urban waste for particleboard by using the new “enrichment” principle and separating out sand, stones, foils, metals, etc.

Another raw material is the waste from annual plants. In the past, several attempts failed to establish panel production plants based on wheat straw or other agricultural waste as raw material. New technologies and the experience with the seasonal and partial use of agricultural waste in some panel plants are now both successful and available.