

Conducted Drying Tests on Mixed Waste Using Bio-drying Method

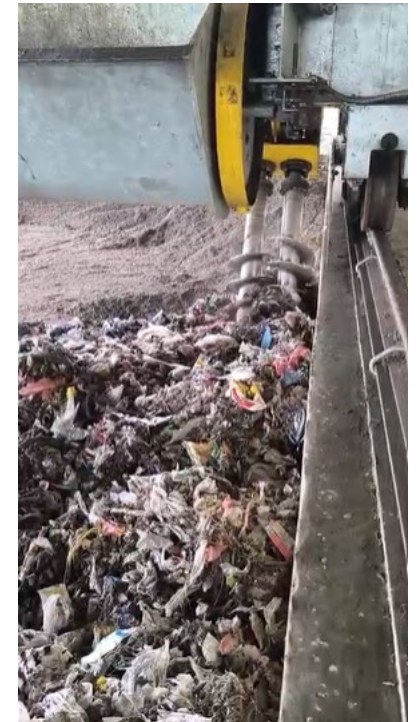
Overview

In Badung Regency, which has teamed up with Toyama City, Ishibashi Co., Ltd.—a local company—set up a composting plant at the intermediate waste treatment facility in 2024 as part of a JICA Private Sector Partnership Project. As part of the Inter-City Partnership Project, there are plans to use this facility for integrated waste management. As part of these efforts, to make sure mixed waste is processed smoothly – a local challenge – a Bio-drying test using this composting plant was done. Mixed waste is made up of around 60% food waste, and while drying is key for how it's treated, the results showed that the heat generated by co-fermentation reduced the moisture content to about 20% within two weeks. Moving forward, we'll use these results to come up with an operational plan for the right way to treat mixed waste, while also encouraging people to separate their waste.

Photos



Mixed waste
(Food waste and plastic mixed together)



A view of the Bio-drying process for mixed waste using a composting plant