

Future50

Industry, Manufacturing
and Resource Management

Waste Management Technology

Spoontainable

Spoontainable GmbH



<https://spointainable.shop/en>

#GreenManufacturing

Highlights

Spoontainable's accolades include being named among the top10 companies in Baden-Württemberg (Germany) 2022⁵¹ and winning the AmCham Female Founders Award 2021.⁵² Its sustainable circular approach has also been recognised with the **Green Brand seal of approval**, an **international certification for environmentally sustainable brands** in the European Union. It has also raised more than **US\$500,000 in equity**⁵³ and sought to patent its process for producing sustainable and edible cutlery alternatives.

Strategic alliances:

- Universities
- Government
- Wholesalers and Distributors
- Bakeries

List impact technologies:

Food Waste Technology, Sustainable Circular Economy Approach, Single-Use Plastic Reduction

Headquarters:

Germany

Middle East operational countries:

United Arab Emirates

Summary

Spoontainable offers a sustainable solution to the plastic problem in restaurants and gastronomy sectors, as well as to industrial food waste – it **upcycles residuals, such as cocoa bean shells into fibre**, which it then **produces edible plastic alternatives**. Its products include edible spoons, stirrers, and straws, with plans to expand into full cutlery sets.

Impacts

Spoontainable claims that by selling nine million sustainable cutlery pieces so far, it has **saved around 37 tonnes of plastic waste** and salvaged more than 10 tonnes of food waste, which in turn has **offset 145 tonnes of CO2 emissions**.⁵⁰ Spoontainable notes using energy-efficient processes for production, recycling its shipping materials, and working with a climate partner to offset any remaining emissions.

