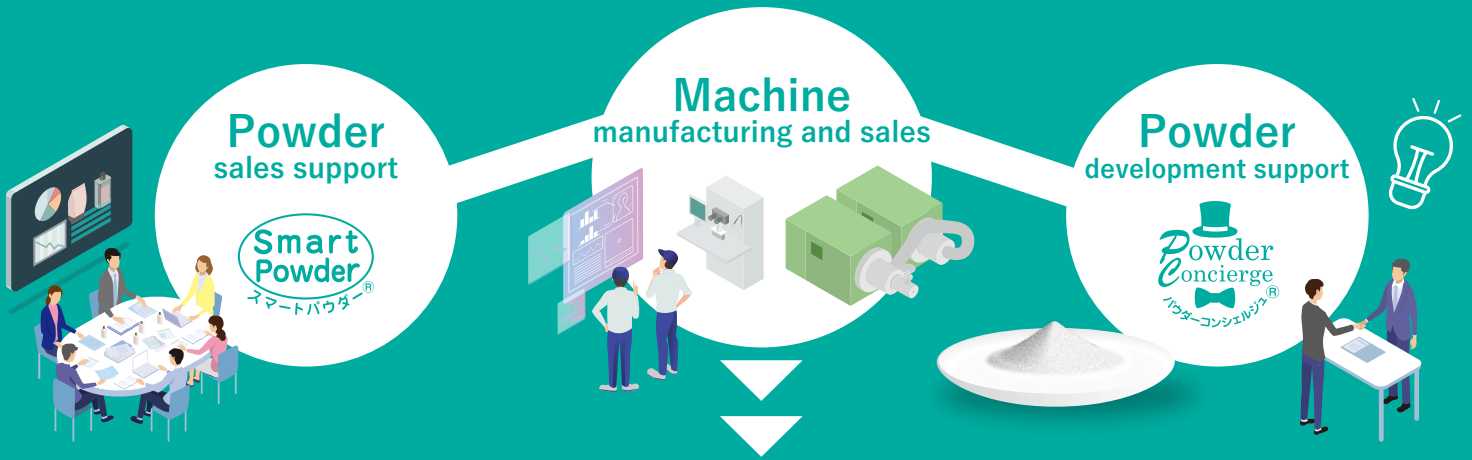


Based on The Science of Powder™, Powder Bank Japan Co., Ltd. contributes to the construction of a **sustainable** company and society by **creating powders with higher added value** than existing technologies for various materials.

PBJ creates new value through the three businesses of "machine manufacturing and sales," "powder development support," and "powder sales support."



Powderization is possible in seconds based on the basic principle of special airflow and autogenous grinding.

AIBIM ▶ Air stream fine grinding mill

Number of devices sold ※As of 2021
149 units in total
(Sales breakdown)
• Japan...148 units
• Abroad (Thailand) ...1 unit

Features

- Sharp particle size distribution by patented classification system
- Fine grinding raw materials with a water content value of 15% or less in a few seconds
- Less deterioration of raw material quality due to heat
- Fine grinding that keeps flavor, color and nutrition
- Supports a wide variety of food and industrial raw materials by replacing parts

Application and merit

- Particle size can be easily adjusted by changing the settings even for the same raw material.
- Green tea etc. fine grinding with a 10 μm or less
- Fine grinding for raw materials containing oil such as soybeans

CDM ▶ Low-temperature drying and grinding mill

Number of devices sold ※As of 2021
36 units in total
(Sales breakdown)
• Japan...33 units
• Abroad (Vietnam) ...3 units

Features

- Drying and grinding are performed simultaneously by patented technology, and water-containing raw materials with a water content value of 15% or more are dried and crushed in 1 second or less.
- Less deterioration of raw material quality due to heat
- Drying and grinding that keeps flavor, color and nutrition
- Liquids and pastes are also dried and crushed by replacing parts.

Application and merit

- Process reduction by unifying from drying to fine grinding
- Expected to have a bactericidal effect at the same time as drying and grinding
- Possible to mix powder and oil-soluble raw materials

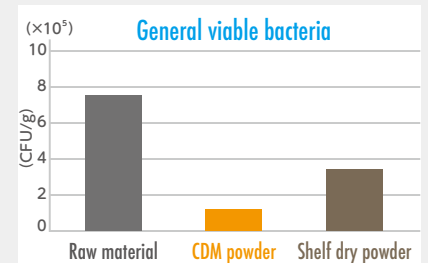
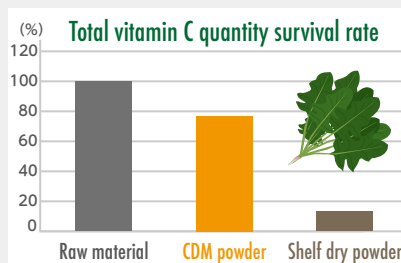
Example of functional comparison of powder by low temperature drying and grinding mill ※ Spinach analytical data

Achieve high value-added powderization!!

By low-temperature drying and grinding mill(CDM), residual rate of functional ingredients is higher than conventional machines, and a certain bactericidal effect can be expected.

high residual rate of functional ingredients

a certain bactericidal effect



We will create new value by developing new products by powdering and adding high value to existing products.

Based on brand establishment and network with domestic and overseas partner companies

Powder sales support



We sell domestically and internationally using the trademark of Smart Powder®

- Differentiation through trademark
- Improvement of quality and functionality
- Securing channels to the food and health food industry
- Sales cooperation with overseas



Based on the knowledge of more than 4,000 types of processing and prototyping, and more than 1,000 types of processing and prototyping

Powder development support



We support the powder development business as a powder concierge®

- Powder planning
- Powdering technical support
- Building a manufacturing flow for powdering
- Extraction, fermentation technical support



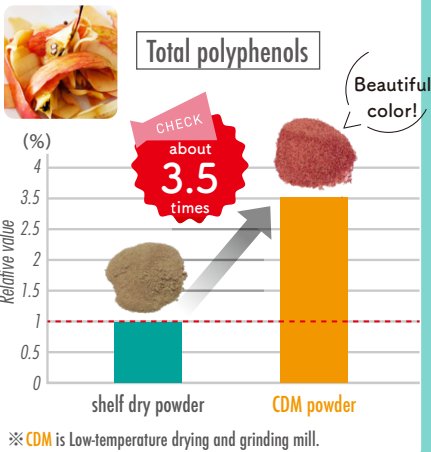
Smart powder® Development case

Smart Powder® from Powder Bank Japan is characterized by different color tones and a high residual rate of functional ingredients.

Case study 01

As an upcycling business

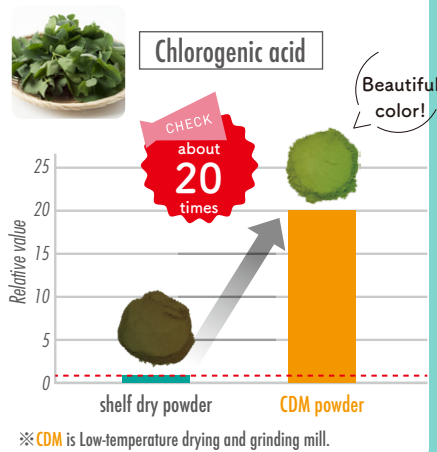
Apple peel residue



Case study 02

High added value

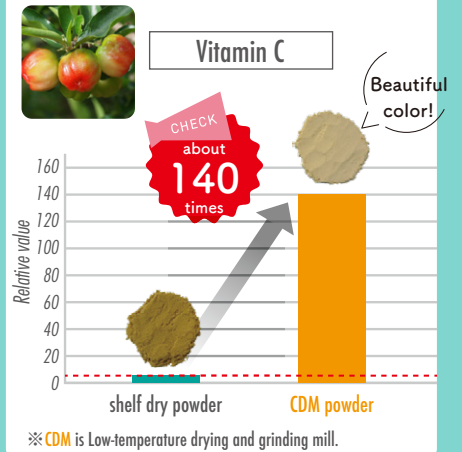
Peucedanum japonicum



Case study 03

High added value

Acerola



pick up

Can something like this become powder!?

Tea, Grains, Beans, Vegetables, Fruits, Marine Products, Livestock Products, Food Residues, Resins, Liquids, Pastes, etc.



Strawberries



Green soybeans



Beets



Sprouted brown rice



Shrimp shells



Rose flowers



Bamboo chips



Coffee extract residue



Crickets



Company Profile

Company name Powder Bank Japan Corporation

Address 〒910-0231 Fukui Prefecture, Sakai City, Maruokacho Kasumicho 3-19-2

TEL 0776-66-2699 FAX 0776-43-3960

related company Nippon Barrier Free Co.,Ltd.

Homepage <https://www.pb-j.jp>

The Science of Powder™

PBJ

Powder Bank®Japan

Contact:info@pb-j.jp

