



PLASTECO **corporation**

Company Profile

People and eco-friendly plastic.



A better future through people-friendly plastic technology

It would not be possible for modern society to exist at all without the benefits of plastics. However, on the other hand, the use of these resources has forced us to come to terms with resource and waste issues, as well as many other environmental problems.

Under these circumstances, Plasteco Corporation has consistently worked to develop environmentally friendly plastic products, manufacturing technology, and manufacturing equipment since its establishment in 2007.

As a result, world-first technologies have been developed and applied such as the ultra-lightweight thin-walled PET bottle filling system and the supercritical inert gas foam molding system.

Plasteco will continue to innovate further in environmentally harmonized technologies and develop plastic technologies that are loved by people and friendly to the environment, thereby enriching people's lives.

Plasteco Corporation
President and Representative Director
Ryutaro Hayashi



Business Outline

**Commissioned
Production of Foam Molded
Product Samples**

**Supercritical Inert Gas
Microcellular Foam
Molding Technology**

We manufacture and sell plastic molding equipment based on our unique foam molding technology, sample trial production by commissioned experiment, and expand our business globally, mainly in China and the U.S. markets.

**Quantitative
Supercritical
Inert Gas Feeder**

**Global Expansion
Business**

**Polylactic acid (PLA)
Foamed Products**



Supercritical Inert Gas Microcellular Foam Molding Technology

- Foaming agent is safe and environmentally friendly
- High performance, high magnification ultrafine foam
- Total technology support

It's not explosive or flammable like the hydrocarbon-based blowing agents such as chlorofluorocarbons and butane used in conventional foaming technology, and there's no need to make facilities explosion-proof.

It's an environmentally friendly technology with a low global warming potential. It's not toxic like chemical foaming agents, no residue effects, excellent recyclability, and can be used safely for medical products, etc.

With our many years of experience and know-how, we provide consistent support from raw materials to complete molding equipment and molding process development.

Commissioned foam extrusion molding service and batch foaming service

Plasteco has its own extrusion molding equipment and batch foaming equipment and offers contract manufacturing of product samples from raw materials brought in.

Clean Foam Consulting Services

We supply consulting services for clean foam applications, economic benefits, experimental equipment, and production equipment.



Environmentally Friendly and High Value-Added Micro Foaming Technology



Polylactic Acid (PLA) Foamed Products Business

Plasteco conduct research on plastic products and manufacturing methods that address environmental and resource issues together with cooperative research institutes. While the use of petroleum-based resin is being restricted worldwide, biodegradable and completely non-petroleum derived foamed plastic products born from this research are advanced materials that can be used safely in the future.



100%
plant-origin

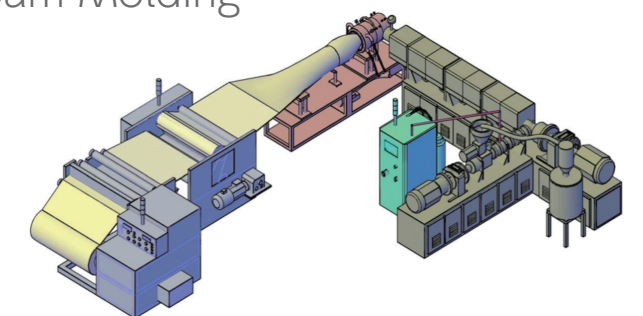
100%
biodegradable

Carbon
Neutral

Low
environmental
impact foaming
agent used.



Plasteco's Supercritical Inert Gas Foam Molding



Our extrusion foam molding technology is eco-friendly and uses Supercritical Inert Gas. Plasteco's global system construction makes it possible to offer proposals optimized for foaming at a low cost. Foam test can be conducted with the resin of the customer's choice at our test facility, allowing for reliable equipment start-up in a short period of time.

Micro-foam total solution

Plasteco designs and sells the complete set and related equipment for inert gas foaming. We provide integrated, flexible support from the raw material to molding with specialized equipment that uses our strengths such as our many years of experience and know-how as specialized "foaming" manufacturer.

Quantitative Supercritical Inert Gas Feeder



CO2 Quantitative Gas Feeder

Renewal

New model is available!

- Smaller and lighter compared to previous model
- Equipped with a 12-inch large screen touch panel
 - Shorten work time by reducing screen transition
 - More information can be displayed at the same time
- Through interlocking data with various molding machine, precision control of gas feeder is possible



N2 Quantitative Gas Feeder

Indispensable for supercritical foam molding, precise and stable high-pressure gas feeder technology

During foam molding with CO2 or N2, slight change in supply amount will drastically change the foam diameter and the state of the foaming.

Plasteco Quantitative Supercritical Inert Gas Feeder control the supply amount to a constant level and ensure the supply pressure automatically follow the pressure at the destination, always enabling the precise control of the supply amount, resulting in uniform, fine foam molding.

Data interlocking with extrusion molding machines and injection molding machines is also available (optional).

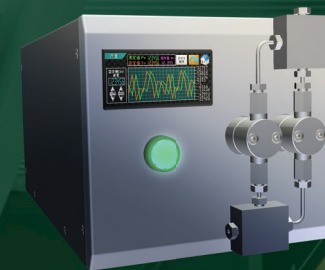


Large screen and simple operation with 12-inch color LCD vertical touch panel.

High Performance・High Pressure Multi-Purpose Plunger Pump L.TEX9800 series



Pump only
(requires control unit)



Integrated with
control unit

Dual head plunger pump for high pressure pumping up to 40MPa as standard.

Wide range of models are available with maximum flow rates from 10 mL/min to 1,000 mL/min. Special specifications for high viscosity fluids, high temperature fluids, slurry fluids are also available.

Stable even at small flow rates, high durability, simple structure, and easy for maintenance.

Pumps can be integrated into a wide range of equipment and control functions that can be customized as needed.

Two types of integrated control units are available.

Stirring Dehumidifying Dryer DryTeco-S

All in one dryer with three functions (dehumidifying, drying, and conveying) built into a compact package.

Equipped with stirring devices to prevent the pellets from sticking, and suitable for drying various plastic raw materials, especially bioplastics (PLA, PHA, PBS, etc.) and hygroscopic engineering plastics (PA, PC, PBT, PET, etc.), which tend to fuse together.

Consists of honeycomb rotor (made in Japan) and an all-stainless steel-insulated drying hopper. The system can be integrated as part of an inert gas extrusion foaming system and controlled in conjunction with the raw material feeder, molding machine, etc.

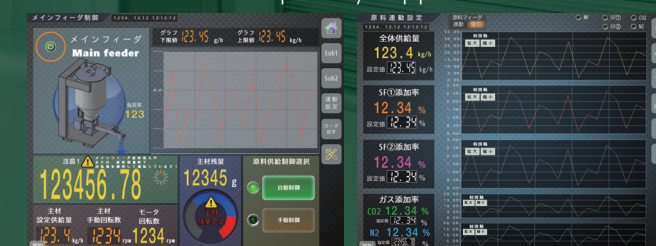


Weighing and Feeding System

This feeder is exclusively for inert gas foaming and provides a constant supply of the main material (raw material) and auxiliary material (additives, etc.).

The addition rate of the main material, auxiliary material, and gas can be controlled in conjunction with each other. Applicable for a wide range of raw materials and additives, from pellets to powder.

The product can be customized according to the requirement based on material used and quantity supplied.



We also can provide custom-made foam molding related equipment.

[We want the equipment like this]

[There's problem like this when doing the foam molding]

[We want more foaming]...and other questions related to "foaming", please don't hesitate to consult us.



PLASTECO

Plasteco Corporation

1-24-21 Hiuchi, Kawanishi-shi,
Hyogo 666-0017, Japan
TEL +81-72-755-3081
FAX +81-72-755-3082

WEB <https://plastecocorp.com>
MAIL info@plastecocorp.com

