

Introduction

Greeting

Our Earth no longer provides us with unlimited resources. It is time for all of us to assume our responsibilities to protect the earth's environment.

Fully mindful of our duty in environmental conservation as a member of the society and as a business entity, JIKCO LTD. makes its contribution to this important issue through our business activities.

JIKCO's corporate activities are based on the following philosophy.

- Optimizing reusable resources
- Energy conservation and distribution of eco-friendly power resources
- Preventing environmental destruction
- Controlling environmental contamination

None of the above task is easy to accomplish.

But we have to start somewhere and have to take action in our capacity however insignificant it may seem.

As the first step toward our goal, we obtained ISO 9001 and 14001.

We would like to seek your support to our effort as well as to our business endeavor.

Akio Tamura
 President and CEO

Company Name	JIKCO LTD.
Address	Shibuya Three Sam Bldg. 4-4-5, Aobadai, Meguro-ku, Tokyo 153-0042 Tel: 03-5790-7311 Fax: 03-5790-7344 URL http://www.jikco.co.jp E-mail: info@jikco.co.jp
Establishment	September, 1976
Capital	150 million yen
Fiscal Year	Annually, in March
President & CEO	Akio Tamura
Board of Director	Toshiaki Shiomi
Board of Director	Hideo Katayama
Auditor	Eizo Osaka
Auditor	Kazuo Sugaya
Managing Director	Tatsuo Kishioka
Executive Officer	Fumihiko Nakayama
Executive Officer	Katsuhiro Takei
Number of Employees	40
Annual Sales	5Billion Yen
Major businesses	Synthetic resin raw materials Plastic recycling Synthetic resin raw material products Machinery Press components Recycling industrial units Environmental machines Atmospheric control chemicals (heavy metal control agents, dioxin inhibitors) Gas densitometer (O ₂ monitor, etc.) Ceramic heaters Electronic materials and related apparatuses Amusement game peripherals Trade (Import and Export, involving three countries), Meshimakobu (newly developed health product)
Major Banks	Sumitomo Mitsui Banking Corporation, Shibuya Ekimae Branch Mizuho Bank Ltd., Shibuya-chuo Branch The Tokyo Tomin Bank, Shibuya Branch Sawayaka Shinkin Bank, Hiroo Branch The Shoko Chukin Bank, Ikebukuro Branch
Office	The Research & Development Center, 2-14-9, Iwamoto-cho, Chiyoda-ku, Tokyo 101-0032 Tel: 03-5820-2211 Fax: 03-5820-2800
Affiliated Companies	JIKCO TEC LTD., 4394, Kamiakohda-cho, Tatebayashi, Gunma, 374-0015 Tel: 0276-70-1410 Fax: 0276-74-4720 RISTA LTD., 192-6, Ueda-cho, Suzuka, Mie, 513-0018 Tel: 0593-74-4006 Fax: 0593-74-4007 JIKCO POLYMER LTD., 4-4-5, Aobadai, Meguro-ku, Tokyo 153-0042 Tel: 03-5790-7346 Fax: 03-5790-7344

[Materials] Thermal-molding synthetic resins have been our major business since JIKCO was established in 1976. We offer resins that have a wide range of applications such as polyolefin, polystyrene, and Engineering Plastics, as well as high-function resin Super Engineering plastics.

Our company owns compound businesses. In order to meet various customer needs and to reduce costs, all departments work together to develop innovative productions and material application systems.

We also search new reusable materials to preserve resources.

[Related Products] Single- and multi-layer sheets, electric-conductive trays, and zipper tapes.



Electric-conductive trays



Zipper tapes (J-Lock)

Major Products

[Raw Materials]

- Polyolefin resins (PP, LD-PE, HD-PE, etc.)
- Polystyrene resins (PS, ABS, AES, AS, etc.)
- Polyvinyl chloride resins (PVC compounds, etc.)
- Engineering resins (POM, PA, PC, PET, PBT, etc.)
- Super Engineering Plastics resins (PPS, LCP, PEEK, PES, PI, etc.)
- Elastomer (Polystyrene, polyolefin, polyurethane, polyester, and polyvinyl chloride types)

[Relevant Products]

[Various raw recycling materials]

[Coloring and compound products]

[Products made of resin raw materials]

- Single- and multi-layer sheets such as PS, ABS, PP
- Electric-conductive trays
- Zipper tapes (J-Lock)

[Machinery] The major business functions of this department includes CAD/CAM for plastic product designing, machine crafting tools, plastic injectors, peripherals, and energy-saving equipment. Electric Discharge Machine for linear motors and all electromotive servo injectors have become available for sale due to the technological breakthrough over the years.

To meet customer requests, we also manufacture nylon humidity-contoller annealing.

[Environmental Industrial Units] As a part of our endeavor to conserve environment, we have long engaged in the recycling business.

We collect plastics, cans, bottles and other reusable scrapped items and turn them into high-quality industrial materials.

We continue to make machines that are economically efficient, highly functional and productive.



Can/bottle selector-compressor system



Wire Electric Discharge Machine (Made by Sodick)



Super Precision Injector (Made by Sodick)



Metal molding machine (Made by Yasuda Precision Tools K.K.)

Major Products

[Machines]

- CAD/CAM for manufacturing and metal mold design
- Metal mold crafting machines (Machining centers, Electric Discharge Machine, grinding machine.)
- Injectors, extruder, etc.
- Peripherals for molding (Automatic and man-power saving types)
- Nylon-mold dehumidifier (KATOMAN annealing system)
- Automatic assembling machines, industrial units

[Environmental Industrial Units]

- Metal and glass bottle container recycling equipment
- PET bottle recycling equipment
- Waste food treatment equipment (incineration, carbonation, compost, animal feed, electric generation)
- Styrofoam reduction equipment
- Compressor/binders (waste paper, cardboard boxes, waste plastic, PET bottles)
- Waste plastic (Scrapped resin)
- Consultation to obtain government approval for industrial units

Safety is today's major issue at every workplace. JIKCO's innovative environmental monitors, detectors, and portable warning devices ensure workplace safety and protect people from hazardous gases. Our engineers are committed to environmental protection and safety.



Oxygen densitometer



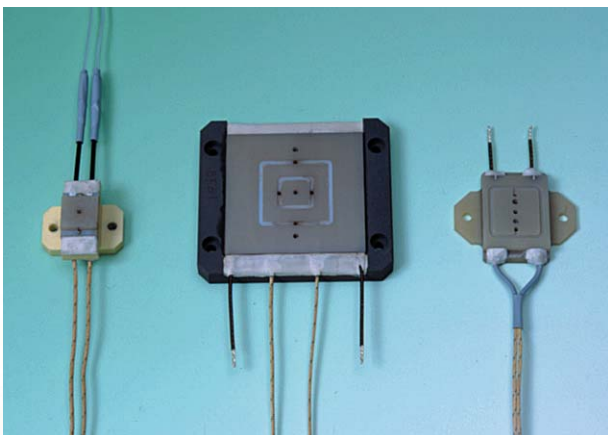
Technical gauges

Major Products

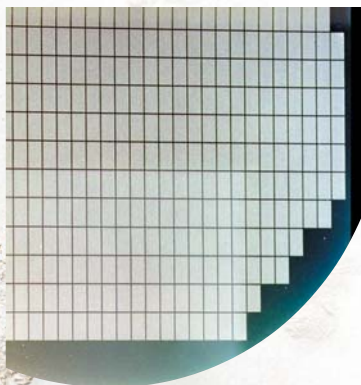
- Oxygen monitor - JKO-25 Version II Series
- Hazardous gas monitor - Freedom 5000
- Oxygen densitometers - UOX Series
- Portable gas detector - Gas Alert
- Four-point system gas detector - Defender Max
- Hydrogen warning device - JK-HYD
- EOG monitor - MES 101



Heat controller



Ceramic heater



W-CSP

[Electronic Products] JIKCO developed super-speed nitriding aluminum heaters. This ceramic heater is capable to reach 200 degrees Celsius, and even higher, per second. The heater is also used for semi-conductor manufacturing and assembly. We offer custom-designed shapes.

JIKCO's lead-free (Pb-free) soldering materials are water-soluble. This environmental-friendly agent is available in paste and flux.

In the course of researching and manufacturing electronic products, we honed our knowledge in electronic substrate installation.

Our customers find us ready to take small-lot orders of special components and components in unconventional shapes. Our semi-conductor production machines include: liquid crystal production equipment, electronic substrate installation machines, washing equipments, peripherals, and testing machines.

[Research & Development Center] R&D Center is on its toes to improve current products and to create innovative products.

JIKCO applies its unique technology to various control devices as well as to specialty gauges and testers.



Installation test

Major Products

[Products we make]

- Ceramic heaters
- Silicon Wafer Heater
- Temperature controller
- Various ceramic components
- Lead-free soldering paste and flux
- Water-soluble soldering paste and flux
- Soldering paste for high-heat installation
- Electronic substrate installation (FPC, ceramics)

[Product We Sell]

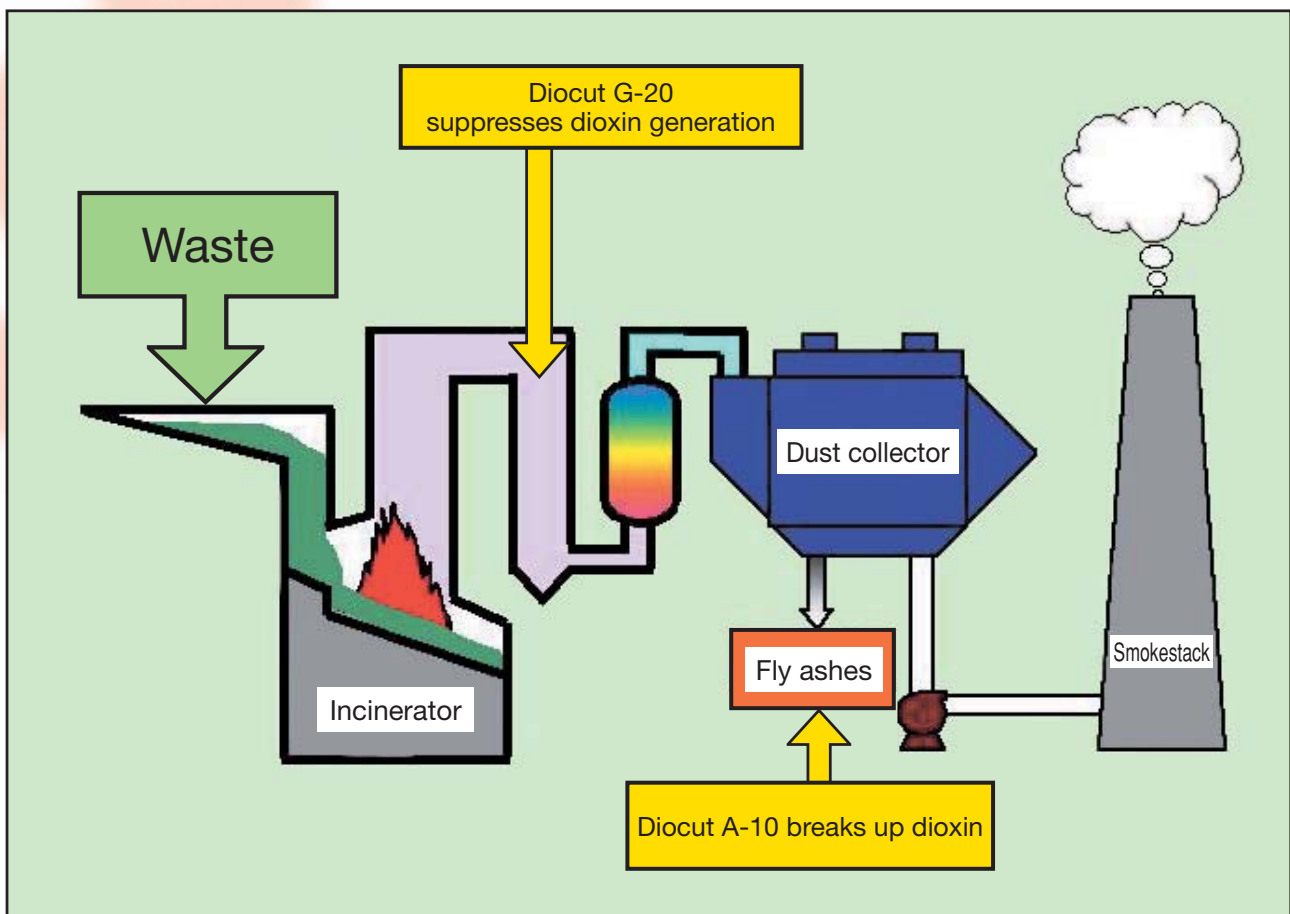
- Electronics substrate production equipments (printers, reflow equipments, etc.)
- Washing equipments
- Testing machine

JIKCO's chemical compounds prevent environmental destruction. Our micro molecule chelate resin arrests heavy metals in waste water. Meanwhile our Diocut suppresses dioxin generation from waste incinerators.

* Micro molecule chelate arrests heavy metals in the waste water and helps settle them as sedi-

ment for easy cleanup. This process also stabilizes the water and reduces the volume of sludge.

* Blown into the smoke path of the incinerator, Diocut (made of Miyoshi Oil & Fat Co., Ltd.) suppresses dioxin generation. When heated and mixed with the ashes in the incinerator, Diocut breaks up the dioxins in the incinerator.



Diocut blower

Major Chemical Products

- Chelate resin
- Micro molecule heavy metal scavenger
- Fly ash heavy metal fixative
- Dioxin suppressing compound
- Dioxin break-up compound
- Waste water treatment compound
- Related equipment as the above



Clean room (Class 1000)

This department constitutes JIKCO's manufacturing sector. Our top-quality plastic products are manufactured in a stringently controlled environment throughout the production process - from molding, printing, assembling and to packing. Thanks to our solid production system, we are capable to readily respond to our clients' orders and to extend a full-guarantee of our products.

JIKCO's plastic components were initially used in the railroad and electric power industries and now have been expanded to the fast-growing optical industry. Today, they are used for light sources for reading, displaying, as well as for digital cameras.

Using our printing and mold technologies, we have developed silk printing dots. We applied these technologies to make reflective dots and prisms.

Our plastic products are manufactured by JIKCO TEC Ltd. located in Tatebayashi City, Gunma Prefecture. In 2000, a part of the plastic production was moved to China in order to meet competitive pricing.

Main Facilities

JIKCO TEC

Clean room Class 1000 35 square meters

Clean bench Class 100 5 machines

Factory in Dongguang City (Canton Province, China)

Clean room Class 10000 300 square meters

Preparation room Class 100000 160 square meters

Printing room Class 100000 80 square meters

Clean bench Class 100 6 machines

All rooms are electrostatic discharge (ESD) controlled.



Clean room task



Mold processing

Health is becoming an increasingly important issue in life. Numerous health care products fill the counters of local drug stores throughout the country. Of all such items, MESHIMAKOBU, whose academic name is Phellinus Linteus, is drawing significant attention from the health food industry. This rare mushroom grows in clusters (kobu) on wild mulberry trees indigenous in Meshima Island, Nagasaki Prefecture: thus giving the mushroom its name.

Meshimakobu mushrooms are harvested only in certain areas in Japan, the Philippines, Australia, and in North America. Due to its small habitat and the vulnerability to weather changes, the

yield of MESHIMAKOBU is small and unpredictable. Cultivating the fungus was equally a daunting task. Supply of the commercial product was unstable until Korea established a reliable cultivating technique in 1993. Owing to the most advanced biotechnology, MESHIMAKOBU with an authentic health value became available in Japan as well.

Our MESHIMAKOBU HPL-1 is made of only carefully selected fungus sent from various habitats in the world. JIKCO also sells raw ingredients and upon client's request manufactures health care products under the client's brand name (OEM).

MESHIMAKOBU, a reliable source of health



Nutrition facts (per100gram)

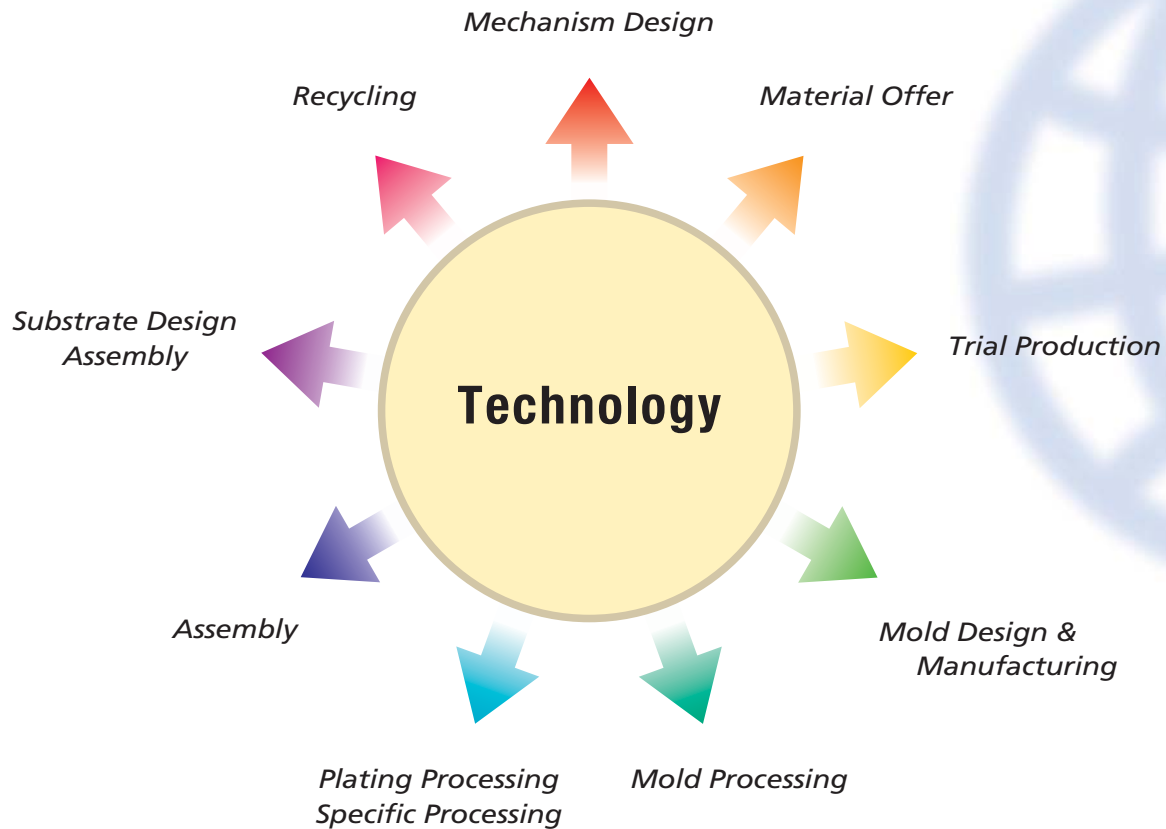
Energy367kcal
Protein1.0g
Fat1.0g
Carbohydrate (sugar)88.5g
	(Beta-gulcan 8.5g)
Sodium53.9mg
Vegetable fiber6.3g

Source: Japan Food Research Laboratories

Major Products

- Enzyme-treated MESHIMAKOBU fungus
Ingredients
MESHIMAKOBU HPL-1





JIKCO has combined its sales experience and manufacturing skills to create this department. This relatively new group capitalizes on the functions and know-how of the trading business and manufacturing to make innovative products. Through this group, JIKCO also steps up its effort in recycling. We also offer to our customers finished amusement-related products. Our undertaking begins with selecting materials, making proto-type, making and processing mold, assembling components and finally, if required, applying specific

processing to the product. We enlist cooperation from JIKCO group companies in the areas of design and substrate designing, so we are able to meet any customer demands. Our specialty expands to electronic toys and to information technology machine peripherals. Production needs have expanded to our newly constructed facilities in Hong Kong and China. While growing true to the name of an international corporation, JIKCO aims to establish a comprehensive system to satisfy diversified customer needs.