

NIKKISO



C O M P A N Y P R O F I L E

NIKKISO CO.,LTD.

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The Nikkiso Group will apply
our creativity to develop specialized
and advanced technologies, which contribute to
the quality of "human life" and "environment."

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Takashi Oto
Takashi Oto, President & CEO

The Nikkiso Group is dedicated to developing specialized technologies that fulfill our commitment to improve the quality of human life and environment.

This commitment, together with our creativity and technical innovation, enable us to help solving the conflict that often exists between technology and the environment.

Today, Nikkiso is providing a wide range of safe, reliable, and cost effective products and services to the petrochemistry, power generation, water treatment, aerospace, air transportation, medical treatment, and food industries. We have an excellent reputation in these industries because we are genuinely committed to product excellence and customer satisfaction.

By combining our commitment to mankind and the environment with specialized business solutions, we have become unique in our ability to exceed the expectations of our customers, shareholders, and employees.

Our goal at Nikkiso is to cast a bright light on the future of our global society and the environment in which we live.

At Nikkiso we are always interested in hearing from our customers, and we sincerely look forward to hearing from you on any suggestions you may have.

Developing unique technologies to boost your efficiency

Research and Development creating a wealth of technologies

In the Industrial Division, our staff conducts research and development work on a wide range of equipment, including fluid equipment, analyzers, high-pressure devices, and water-conditioning equipment, as well as the hardware and software for systems incorporating these apparatuses and composite materials.

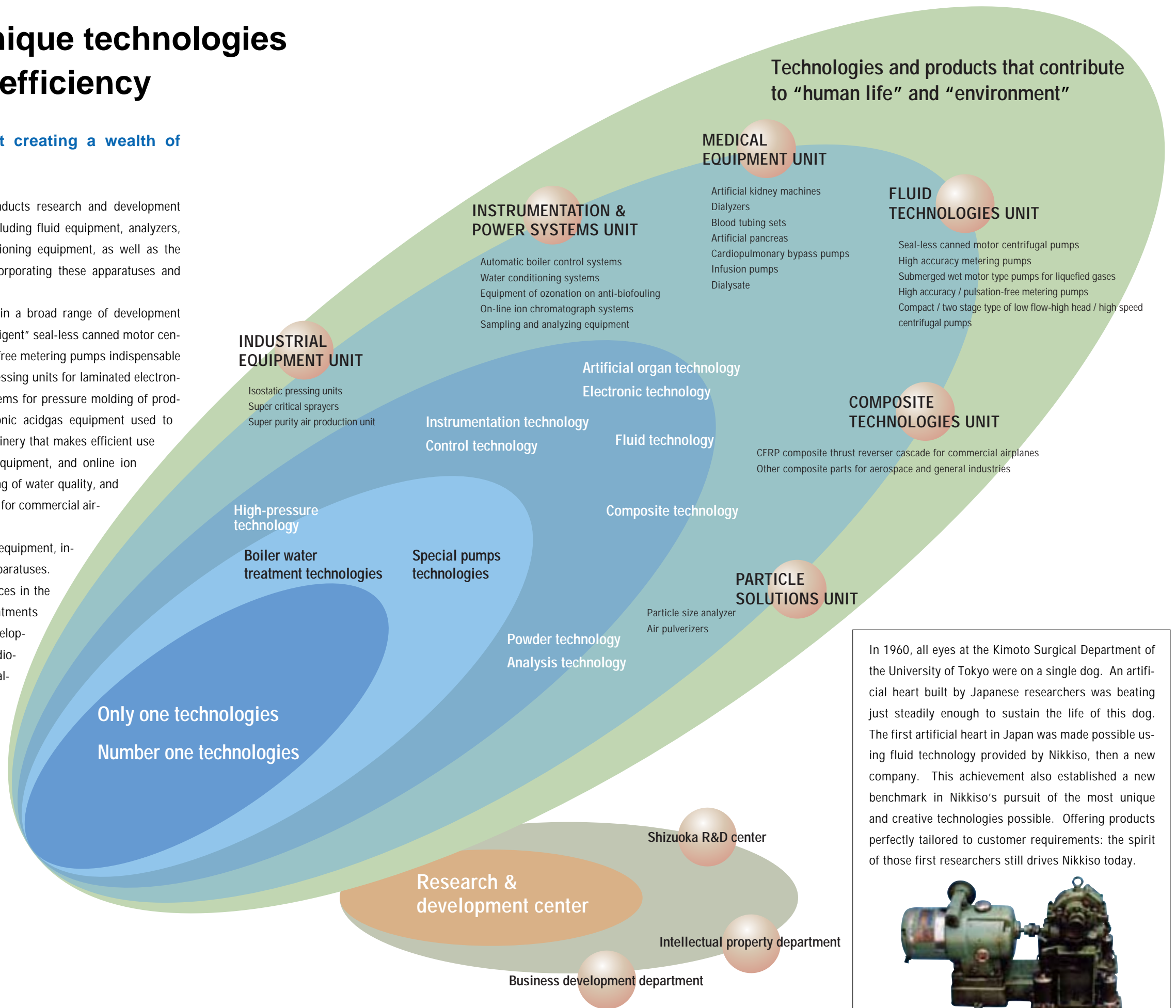
The Industrial Division is also engaged in a broad range of development work, including the development of "intelligent" seal-less canned motor centrifugal pumps, high accuracy / pulsation-free metering pumps indispensable to the fine chemical industry, isostatic pressing units for laminated electronic components (e.g., warm laminate systems for pressure molding of products from all sides), supercritical carbonic acidgas equipment used to make ultra-fine powder, pulverizing machinery that makes efficient use of air currents, waste-water treatment equipment, and online ion chromatography for continuous monitoring of water quality, and CFRP composite thrust reverser cascade for commercial airplanes.

The Medical Division focuses on medical equipment, including artificial organs and electronic apparatuses. Nikkiso has invested considerable resources in the development of advanced medical treatments and improving patient quality of life, developing artificial kidneys and pancreases, cardiopulmonary bypass pumps, and polymer alloy membrane.

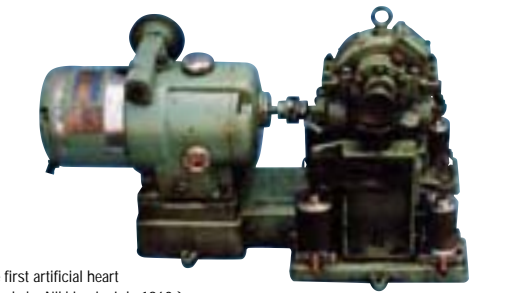
Shizuoka R&D Center is also working on a micro-electro-mechanical system, etc. We are also a world leader in Carbon Nanotube production technology, in terms of both production efficiency and quality.



Carbon Nanotubes produced using Nikkiso vapor grown method



In 1960, all eyes at the Kimoto Surgical Department of the University of Tokyo were on a single dog. An artificial heart built by Japanese researchers was beating just steadily enough to sustain the life of this dog. The first artificial heart in Japan was made possible using fluid technology provided by Nikkiso, then a new company. This achievement also established a new benchmark in Nikkiso's pursuit of the most unique and creative technologies possible. Offering products perfectly tailored to customer requirements: the spirit of those first researchers still drives Nikkiso today.



The first artificial heart (made by Nikkiso in July 1960)

HIGASHIMURAYAMA PLANT

Area of site : 21,973m²
Total floor area of main buildings : 36,305m²

Consists of: Fluid Equipment Factory of the Fluid Technologies Unit, manufacturing special pumps and compressors including seal-less canned motor centrifugal pumps, etc. and Project & Instrumentation Factory of the Instrumentation & Power System Unit, manufacturing a range of items including water conditioning systems for power plants, analyzers, measuring instruments, high-pressure processing equipment, etc.



Manufacture



Assembly



Inspection

SHIZUOKA PLANT

Area of site : 56,705m²
Total floor area of main buildings : 35,643m²

Consists of: Shizuoka Medical Devices Factory of the Medical Equipment Unit, manufacturing a range of medical equipment and devices including artificial kidney machines, artificial pancreas, centrifugal blood pumps and various types of infusion pumps; and Composite Products Factory of the Composite Technologies Unit, manufacturing CFRP and other composite parts.



Manufacture



Assembly



Inspection

KANAZAWA PLANT

Area of site : 98,044m²
Total floor area of main buildings : 19,043m²

Consists of: Kanazawa Medical Devices Factory of the Medical Equipment Unit, manufacturing dialyzers (hemodialysis devices) and "D Dry" powder dialysate for use in the artificial kidney machines developed by Nikkiso.



Manufacture



Assembly



Inspection

OVERSEAS

NIKKISO PUMPS EUROPE GmbH

Business : Pump manufacture, sales and service in Europe.
(German subsidiary)

NIKKISO PUMPS AMERICA, INC.

Business : Metering pump manufacture, sales and service in the US.
(US subsidiary)

NIKKISO CRYO, INC.

Business : Cryogenic pump manufacture, sales and service; LNG testing in real conditions. (US subsidiary)

SHANGHAI NIKKISO NON-SEAL PUMP CO., LTD.

Business : Manufacture, sales, and service of non-seal pumps in China.
(joint venture between Nikkiso and local Chinese enterprise)

MICROTRAC, INC.

Business : Manufacture and sales of Microtrac particle-size analyzers.
(US subsidiary)

TAIWAN NIKKISO CO.,LTD.

Business : Manufacture, sales, and service of water conditioning systems in Taiwan.
Sales, and service of medical equipment and related products in Taiwan.(Taiwan subsidiary)

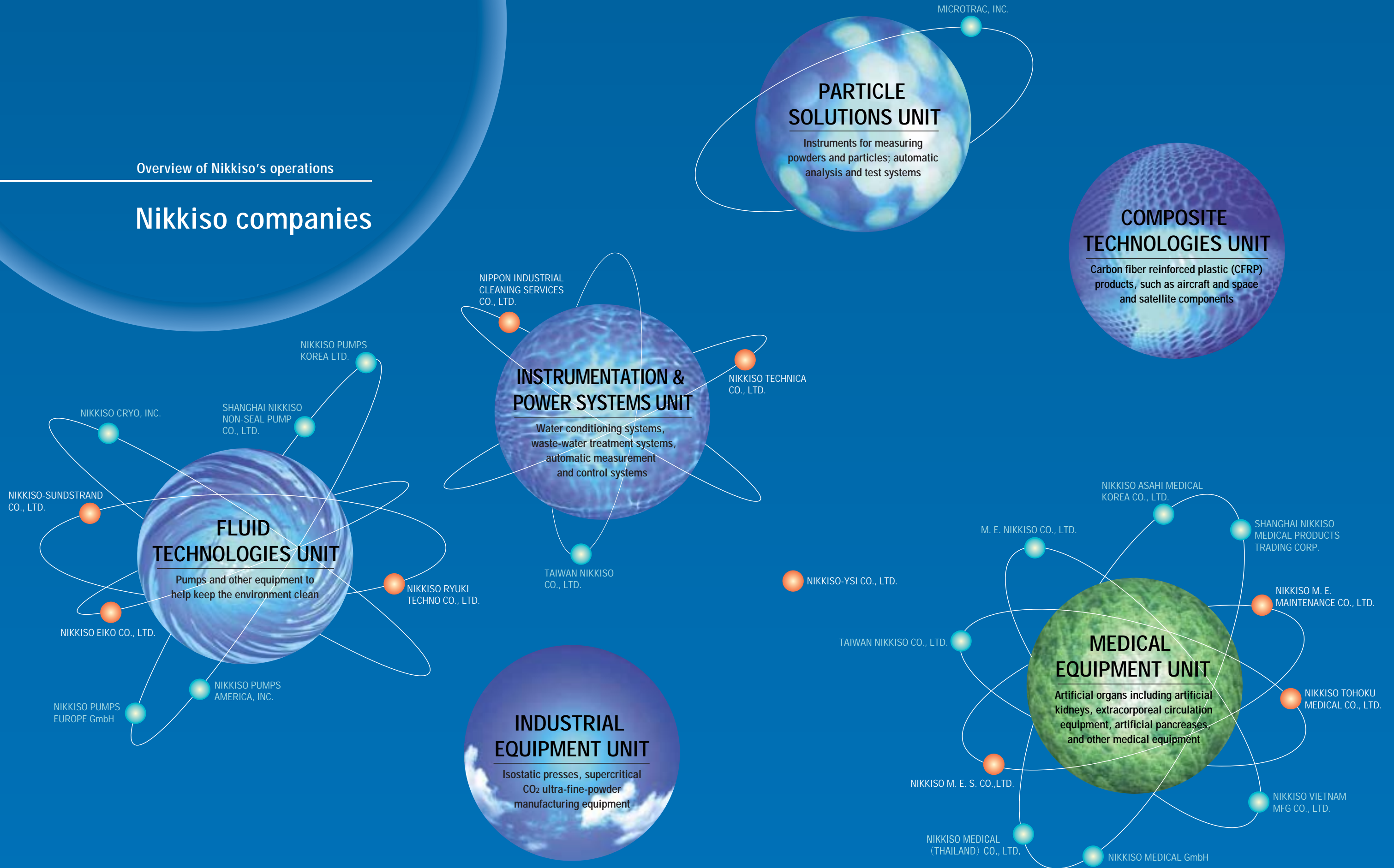
M. E. NIKKISO CO., LTD.

Business : Manufacture and sales of medical equipment and consumables.
(joint venture between Nikkiso and local Thai enterprise)

NIKKISO VIETNAM MFG CO., LTD.

Business : Manufacture of blood circuits for dialysis.
(Vietnamese subsidiary)

Nikkiso companies



Special pump technologies that contribute to environmental preservation

Nikkiso fluid control technology, the first area of Nikkiso operations, has produced a number of unique products, including The first seal-less canned motor centrifugal pump in Japan (trade name : Non-seal pump). Nikkiso pumps, designed using cutting-edge technology, have an excellent reputation among customers for their environmental friendliness. Our pumps are used in a variety of sectors, including the process industries (e.g., at chemical and petrochemical plants), the foodstuff and pharmaceutical sectors, water and wastewater treatment, and rubbish-incineration facilities, helping to ensure efficient and stable operations.

At Nikkiso we are not content, however, to rest on our laurels as pioneers in the field of special pumps. We will continue to develop even better technologies, allowing us to offer customers even more useful and valuable products, technologies, and services.



Non-seal pump

The pump and motor are integrated in a seal-less unit, with no shaft seal (i.e., no mechanical seal); this is ideal for liquids that require no-leakage pumping. All units typically come with an "E-Monitor" (electrical bearing monitor) feature, allowing operators to assess at a glance the condition of bearings inside the pump that are not externally visible, and to perform remote monitoring from a central control room. By shifting from their previous system of time-based maintenance (TBM) to condition-based maintenance (CBM), users can achieve significant savings in maintenance costs.

Non-seal pump
(Seal-less canned motor centrifugal pumps)



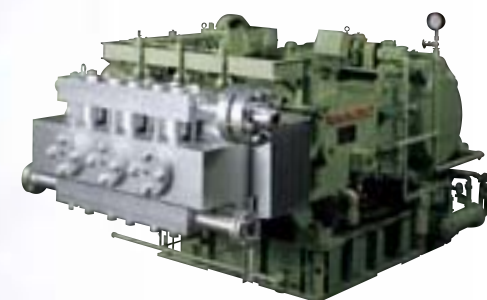
Milflo metering pump MX series
(High accuracy metering pumps)



Pulseless Pump
(High accuracy/pulsation-free metering pumps)



Cryogenic Pump
(Submerged wet motor type pumps for liquefied gases)



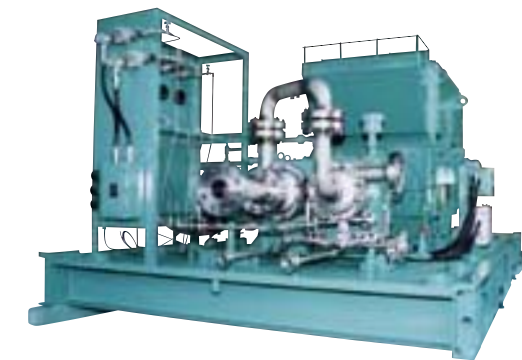
Hi-power pump
(Triplex type power pumps)



Gorman-rupp pump
(Non clog/self-priming type centrifugal pumps)



Sundyne pump/compressor
(Compact/single stage type low flow-high head centrifugal pumps)



Sundyne pump HMP-3000
(Compact/two stage type of low flow-high head centrifugal pumps)

Particle-size analysis: from "cm" to "nm"

The raw materials that determine the quality of a product start with the mixing of various powders. Nikkiso powder measuring instruments provide data vital to the production of these raw materials, i.e., information on powder particle-size distribution and the properties of various powders. Our main product, the Microtrac MT3000 particle-size analyzer, is the first instrument of its type to use three lasers for ultra-wide range measurement, while the Microtrac UPA, which employs the principle of dynamic light scattering for powder analysis, allows analysis to a molecular level of 3 nanometers (three millionths of a millimeter), representing a significant advance in the field of nanotechnology.

Nikkiso continues to dominate the domestic powder market, and in January 2000 established Microtrac Inc. in the United States to provide an American base for development, production, and overseas sales. This represented the first step in a rollout of new operations to enhance delivery of our products and services to customers worldwide.



Microtrac MT3000 particle size analyzer

Microtrac MT3000

This is the top model in the Microtrac series of particle size analyzers using the laser diffraction and scattering method. As well as offering ultra-wide range analysis from 0.02 - 2800 μm , the MODEL NAME allows wet to dry cell replacement in seconds. Using the highly acclaimed Tri-laser technique (patented), and equipped with the latest features, the MODEL NAME has set a new industry standard for particle-size analysis.



Microtrac MT3000 particle size analyzer (Tri-laser technique, nm- μm -mm)



Microtrac UPA150 particle size analyzer (nm- μm)



Microtrac UPA250 particle size analyzer (Multi-function type by optical fiber sensing)



Microtrac HRA (9320-X100) particle size analyzer (nm- μm)



Millitrac JPA particle size analyzer (μm -mm-cm)



ZetaPALS zeta potential analyzer

Creative technology covering a wide range of sectors, from IT to the pharmaceutical industry

INDUSTRIAL
EQUIPMENT UNIT

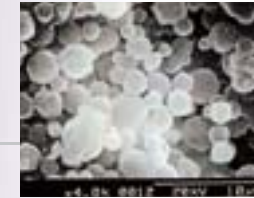
Nikkiso is developing state-of-the-art industrial equipment for use in a wide range of sectors, from IT to the pharmaceutical industry.

One issue for the constantly evolving IT industry is the need to design ever-more-compact electronic components, thus allowing increasing numbers of components to be installed in a limited space. Research is being conducted with the aim of building more and more minute components and increasing component density and, here too, Nikkiso isostatic pressure technology is making a vital contribution.

Use of ultra-high purity air is essential in the production environments for semiconductors and precision optical equipment, and Nikkiso has come up with some new ideas in this area as well. Unique Nikkiso technology may also be found in supercritical ultra-fine powder manufacturing equipment, currently commanding attention in the pharmaceutical industry as a promising new method for drug manufacture.

SC-Sprayer

The supercritical ultra-fine powder manufacturing system uses supercritical carbon dioxide to dissolve the drug, then rapidly reduces the pressure to transform the substance into an ultra-fine powder, allowing the manufacture of ultra-fine powders of a sub-micron order, a feat not possible using pulverizing techniques. This represents an indispensable technology for drug delivery systems (DDSs), which will allow precise control over the movement of drugs through the body.



Photomicrograph of powder particles



SC-Sprayer(Supercritical ultra-fine powder manufacturing equipment)



ISO. Bonder(Isostatic Bonding machine for electronic parts)



Dry laminate system(Dry type isostatic pressing unit)



Warm laminating system(Wet-type isostatic pressing unit)



PPC Air Dryer(Heater Type/Heatless Type)

Nikkiso's water conditioning system contributes to safety, reliability of power plants and energy cost reduction.

Half a century has passed since Nikkiso succeeded in manufacturing the first integrated boiler water conditioning system for an utility generating plant.

Since then, continual efforts have been dedicated to improve and enhance the system to the current automatic water conditioning systems incorporating the changes in water treatment technologies for boilers, and to meet the diversified operating modes of the large power plants and the most severe requirements of the nuclear power plants.

Changes in water treatment techniques for boilers, and in consideration of the various operating mode of the power plants.

Years of proven performance have earned Nikkiso an outstanding reputation as a pioneer in water-treatment technology.

Nikkiso is also actively engaged in the development of systems which are environmentally acceptable, such as ozonizing systems for anti-biofouling and neutralizing systems for the waste water from the hemodialysis system.

With the technologies accumulated over the past 50 years through the involvement in boiler water conditioning and fossil boiler control of the major power generating plants in Japan, Nikkiso meets the ever-changing needs in all aspects of designing, engineering, manufacturing, start-up operation and after sale service of the water conditioning systems and boiler control systems.

Equipment of ozonation on anti-biofouling

This system is used for cleaning the heat exchangers in heat pumps which use the thermal energy of sea or river water as an energy source. It is an environmentally friendly system that uses ozonated water instead of highly concentrated chlorine cleaning agents to remove the biological film or slime that reduces the heat-exchange efficiency of the heat pump.



Equipment of ozonation on anti-biofouling



Sampling and analyzing equipment



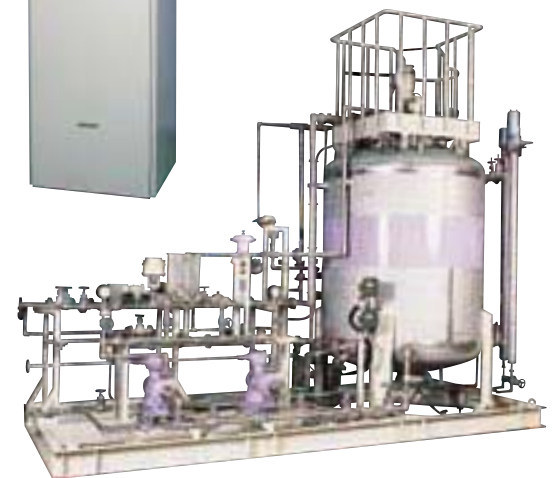
Sample hood for nuclear power plant



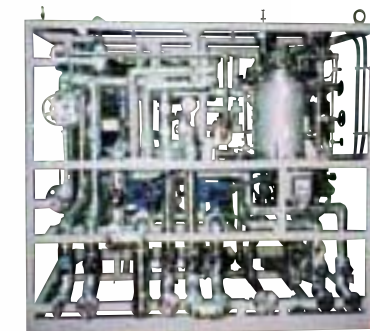
Automatic boiler control system



Water conditioning control panel



Chemicals injection equipment



Test equipment for R&D



pH control system for waste water from dialysis



On-line ion chromatograph system

New materials technology, expanding into the aerospace industry

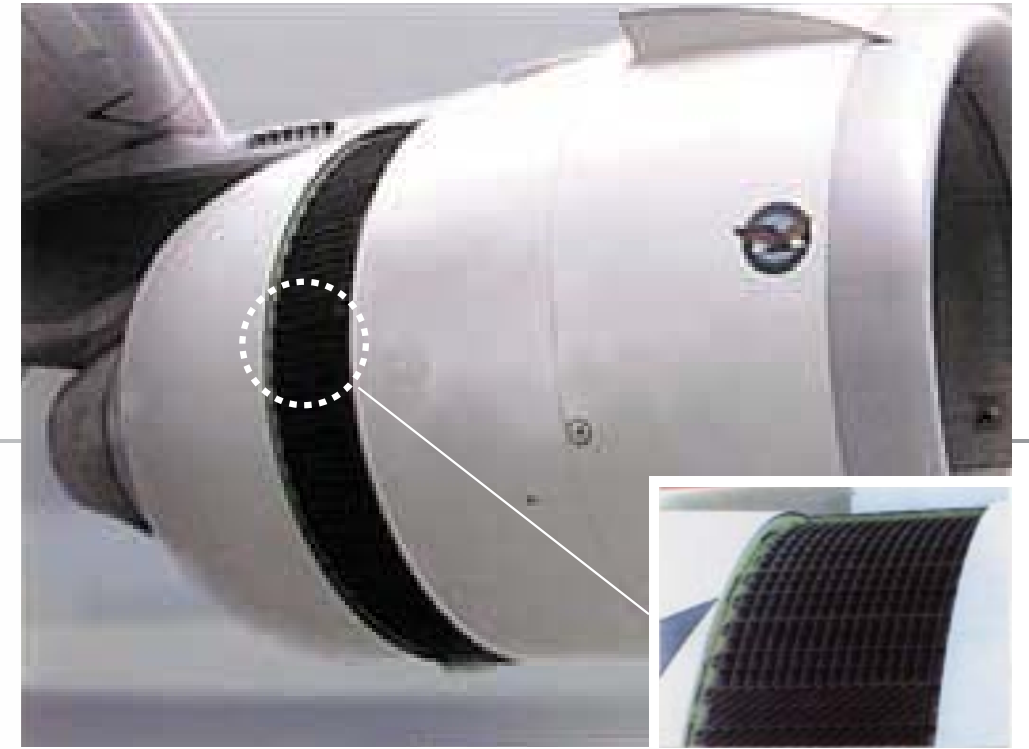
Carbon Fiber Reinforced Plastics (CFRPs) are composite materials of plastics with embedded carbon fiber reinforcements. CFRPs are superior to other materials used for structures in various characteristics, including strength, specific weight and heat resistance, satisfying the most stringent requirements for airplane components. Nikkiso has developed a range of CFRP made airplane components utilizing these features of CFRPs.

Cascades of thrust reversers attached to airplane engines for reducing airplane speed in landing were originally made of aluminum or magnesium alloys. Nikkiso was the first in the world to develop these thrust reverser cascades in CFRP material, and as soon as its development was successfully completed, major aircraft manufactures in the United States and Europe soon recognized the quality of CFRP made cascades, and started to replace metal made original ones with Nikkiso's CFRP cascades.

This state-of-the-art technology is so highly acclaimed by the aircraft industry that Nikkiso's CFRP business is now expanding to space industry.

Cascades for thrust reverser

Thrust reversers are attached to the engines of commercial jet liners to control the engine airflow while landing. Cascades are built in the thrust reverser working as airflow deflectors. Nikkiso was the first in the world to develop these cascades in CFRP and manufacture them on the commercial basis successfully, responding to the demand of aircraft industry for stronger yet lighter components. Since Nikkiso's success, its CFRP made cascades have been accepted in the aircraft industry as a "de facto" standard of the thrust reverser cascades.



Cascades for thrust reverser



NC graphite working machine



Product inspection



Autoclave



Super soft X-ray



5-Axis NC machine



Honeycomb cleaning machine

Nikkiso: Advancing the field of medicine with innovative technologies, and trusted solutions.

In 1959, Nikkiso was commissioned by the Kimoto Surgical Department of the University of Tokyo to develop Japan's first artificial heart. The successful introduction of this product was the starting point for Nikkiso's medical operations. This early success was followed by Nikkiso's introduction in 1969 of Japan's first hemodialysis system. Ever since, Nikkiso has remained at the forefront of dialysis technology. Our excellent reputation for reliable equipment and customer service has enabled us to become one of the world's largest manufacturers of hemodialysis equipment. In Japan alone, Nikkiso equipment serves approximately 50% of this market. Nikkiso has expanded its product solutions to include the world's only commercial artificial pancreas, and a cardiopulmonary bypass pump that minimizes hemolysis during surgery. Nikkiso will continue to apply its technological leadership to the improvement and development of medical devices that contribute to the quality of life.

Future Net II

Future Net is a dialysis monitoring system that significantly increases productivity and the service quality of a dialysis facility. The "e-med" capabilities of Future Net, enables the medical staff to focus on patient-critical services by automating the data collection and processing tasks, and communicating results to in-house computer networks.



Future Net II
(Central monitoring system for dialysis stations)



Patient station
(Artificial kidney machine)

Hemodialysis system
(Artificial kidney machine)

Multi-patient dialysate supply system
(Artificial kidney machine)

Centrifugal blood pump
(Cardiopulmonary bypass pump)

Infusion pump

Dialyzer FDY(Hollow fiber hemodialyzer)

Dialyzer FDX(Hollow fiber hemodialyzer)

Dialyzer FLX(Hollow fiber hemodialyzer)

SERVICE

Nikkiso has 30 operations nationwide providing technical service and support for Nikkiso products, plus an affiliate specializing in technical services, to help customers keep their Nikkiso equipment in optimal condition at all times. The overseas service net is being developed in major countries of the world.

NIKKISO RYUKI TECHNO CO., LTD.

Business : Technical service and part sales for Nikkiso pumps, compressors and the like.

NIKKISO TECHNICA CO., LTD.

Business : Technical service and installation of Nikkiso water-conditioning systems, high-pressure equipment and the like.

NIKKISO M. E. MAINTENANCE CO., LTD.

Business : Technical service for Nikkiso medical equipment in the Kinki region.

NIKKISO M.E.S. CO., LTD.

Business : Technical service for Nikkiso medical equipment, focusing on the Kanto region.

TRAINING ROOM

To enable customers to use Nikkiso products more safely and with even greater confidence, the Higashimurayama plant has set up training rooms on the use of fluid equipment as well as Nikkiso instrumentation and equipment used at power-generation facilities. In the fluid equipment training room, trainees are divided into beginner, intermediate, and expert classes for training on pumps such as the seal-less canned motor centrifugal pumps and the high accuracy metering pumps. These programs have proven very popular with our customers.

The instrumentation and power-plant training room is permanently equipped with silica analyzers, dissolved oxygen analyzers, online ion chromatograph and other equipment, and offers training tailored to customer requirements, including one- and two-day courses for thermal power station staff, and two-and-a-half day courses for power plant staff.



Training of fluid equipment



Training of fluid equipment



Lecture of fluid equipment



Training of instrumentation & power systems



Training of instrumentation & power systems

CUSTOMERS CENTER

The Shizuoka plant has set up a customer center designed to help customers use Nikkiso medical equipment more safely and with even greater confidence, thus contributing to the overall quality of life of patients.

Hospital staff are trained in the use of multi-patient dialysate supply systems, patient stations, and hemodialysis systems, both separately and in combination.

A training center with living accommodations has also been built near the plant. The facility provides accommodation during training courses and easier access to supplementary lessons for more comfortable and effective training, and has been rated highly as a result. About 7000 people visited from in and outside the country to training until now.



Training room



Lecture room



View of training center



Lobby

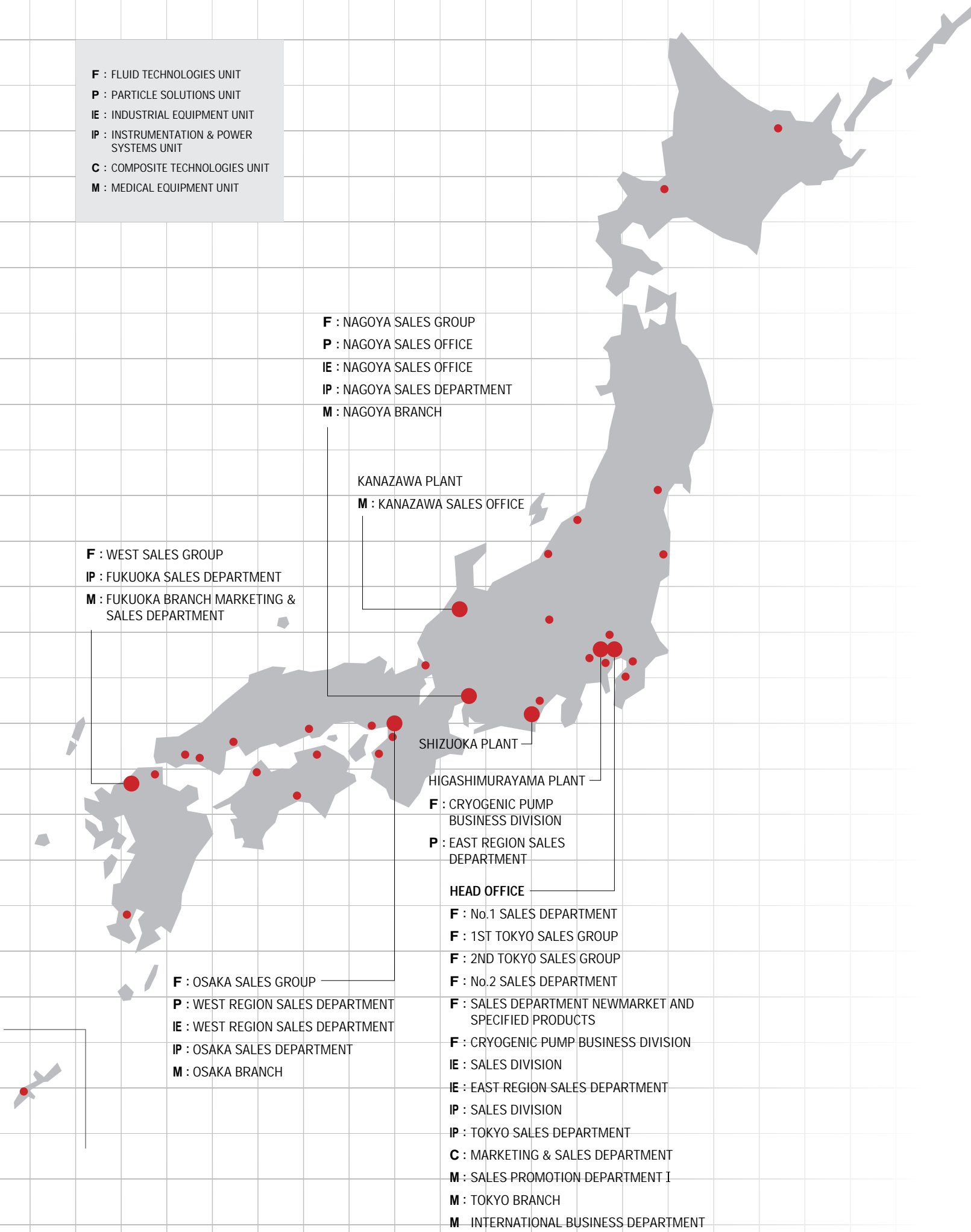


Guest room

DOMESTIC

NETWORK

- F** : FLUID TECHNOLOGIES UNIT
- P** : PARTICLE SOLUTIONS UNIT
- IE** : INDUSTRIAL EQUIPMENT UNIT
- IP** : INSTRUMENTATION & POWER SYSTEMS UNIT
- C** : COMPOSITE TECHNOLOGIES UNIT
- M** : MEDICAL EQUIPMENT UNIT



DOMESTIC OFFICES

PHONE

HEAD OFFICE	+ 81-3-3443-3711
HIGASHIMURAYAMA PLANT	+ 81-42-392-3311
SHIZUOKA PLANT	+ 81-548-22-5801
KANAZAWA PLANT	+ 81-76-257-4181

FLUID TECHNOLOGIES UNIT

No.1 SALES DEPARTMENT	+ 81-3-3440-3623
HOKKAIDO SALES OFFICE	+ 81-11-261-5561
SENDAI SALES OFFICE	+ 81-22-262-0420
1ST TOKYO SALES GROUP	+ 81-3-3440-3624
2ND TOKYO SALES GROUP	+ 81-3-3440-3623
CHIBA SALES OFFICE	+ 81-438-63-4221
YOKOHAMA SALES OFFICE	+ 81-45-504-5961
NIIGATA SALES OFFICE	+ 81-25-231-2760
NAGOYA SALES GROUP	+ 81-52-581-6201
SHIZUOKA SALES OFFICE	+ 81-54-284-8521
OSAKA SALES GROUP	+ 81-6-6203-3492
SAKAI SALES OFFICE	+ 81-72-223-8829
OKAYAMA SALES OFFICE	+ 81-86-434-0070
WEST REGION SALES GROUP	+ 81-92-281-2500
TOKUYAMA SALES OFFICE	+ 81-834-33-1700
No.2 SALES DEPARTMENT	+ 81-3-3443-3726
SALES DEPARTMENT NEWMARKET AND SPECIFIED PRODUCTS	+ 81-3-3440-3626
CRYOGENIC PUMP BUSINESS DIVISION	+ 81-42-392-3548

PARTICLE SOLUTIONS UNIT

EAST REGION SALES DEPARTMENT	+ 81-42-393-2200
SHIZUOKA SALES OFFICE	+ 81-54-284-8521
WEST REGION SALES DEPARTMENT	+ 81-6-6203-3494
NAGOYA SALES OFFICE	+ 81-52-581-6201

INDUSTRIAL EQUIPMENT UNIT

SALES DIVISION	+ 81-3-3443-3735
EAST REGION SALES DEPARTMENT	+ 81-3-3443-3735
WEST REGION SALES DEPARTMENT	+ 81-6-6203-3497

INSTRUMENTATION & POWER SYSTEMS UNIT

SALES DIVISION	+ 81-3-3443-3732
HOKKAIDO SALES OFFICE	+ 81-11-261-5561
SENDAI SALES OFFICE	+ 81-22-262-0420
FUKUSHIMA SALES OFFICE	+ 81-240-32-3377
TOKYO SALES DEPARTMENT	+ 81-3-3443-3747
NAGAURA SALES OFFICE	+ 81-438-63-0075
KASHIWAZAKI SALES OFFICE	+ 81-257-22-1081
NAGOYA SALES DEPARTMENT	+ 81-52-581-6201
OSAKA SALES DEPARTMENT	+ 81-6-6203-3493
TSURUGA SALES OFFICE	+ 81-770-25-6655
HIROSHIMA SALES OFFICE	+ 81-82-241-5231
SHIKOKU SALES OFFICE	+ 81-87-868-5250
FUKUOKA SALES DEPARTMENT	+ 81-92-281-2500

COMPOSITE TECHNOLOGIES UNIT

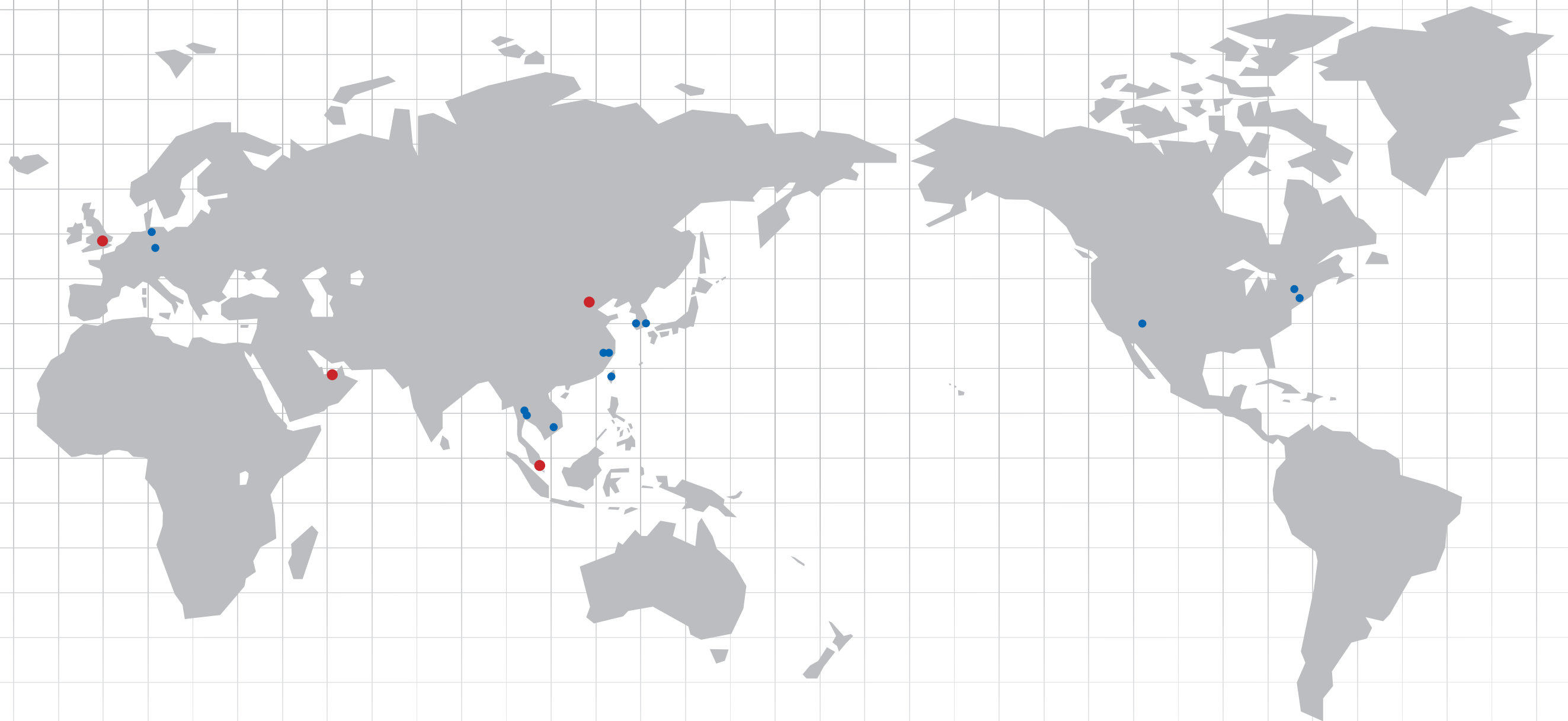
MARKETING & SALES DEPARTMENT	+ 81-3-3443-3734
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MEDICAL EQUIPMENT UNIT

PLANNING&GENERAL ADMINISTRATION DEPARTMENT	+ 81-3-3443-3751
BUSINESS PROMOTION DEPARTMENT I	+ 81-3-3443-3751
BUSINESS PROMOTION DEPARTMENT II	+ 81-3-3443-3756
BUSINESS PROMOTION DEPARTMENT III	+ 81-3-3443-3751
INTERNATIONAL BUSINESS DEPARTMENT	+ 81-3-3443-3727
SAPPORO BRANCH	+ 81-11-261-5561
KITAMI SALES OFFICE	+ 81-157-22-5811
TOKYO BRANCH	+ 81-3-3443-3755
CHIBA SALES OFFICE	+ 81-43-207-6886
NIIGATA SALES OFFICE	+ 81-25-231-2752
YOKOHAMA SALES OFFICE	+ 81-45-972-0031
KITAKANTO SALES OFFICE	+ 81-48-839-0311
KUNITACHI SALES OFFICE	+ 81-42-580-5790
NAGOYA BRANCH	+ 81-52-581-6205
SHIZUOKA SALES OFFICE	+ 81-54-284-8521
MATSUMOTO SALES OFFICE	+ 81-263-29-1888
OSAKA BRANCH	+ 81-6-6353-7070
KANAZAWA SALES OFFICE	+ 81-76-257-2781
KOBE SALES OFFICE	+ 81-78-574-5161
WAKAYAMA SALES OFFICE	+ 81-73-402-4461
HIROSHIMA BRANCH	+ 81-82-241-5231
YAMAGUCHI SALES OFFICE	+ 81-83-972-9793
OKAYAMA SALES OFFICE	+ 81-86-434-0070
SHIKOKU SALES OFFICE	+ 81-87-868-5250
MATSUYAMA SALES OFFICE	+ 81-89-933-4347
KOCHI SALES OFFICE	+ 81-88-883-9316
FUKUOKA BRANCH	+ 81-92-525-1852
KOKURA SALES OFFICE	+ 81-93-531-7030
KAGOSHIMA SALES OFFICE	+ 81-99-257-3818
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NIKKISO-SUNDSTRAND CO., LTD.	+ 81-3-3444-6475
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NIKKISO M.E.S. CO., LTD.	+ 81-3-5827-1212
NIKKISO TOHOKU MEDICAL CO., LTD.	+ 81-22-262-0421
NIKKISO SHOJI CO., LTD.	+ 81-3-3443-2502
NIKKISO EIKO CO., LTD.	+ 81-42-390-6540
NIKKISO-YSI CO., LTD.	+ 81-422-37-9811
NIPPON INDUSTRIAL CLEANING SERVICES CO., LTD.	+ 81-45-711-3301



● OVERSEAS OFFICES

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● AFFILIATES

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SHANGHAI NIKKISO NON-SEAL PUMP CO., LTD.

No.1795, Huhang Road, Nanqiao Town, Fenxian District, Shanghai
Phone: + 86-21-6710-3258

MICROTRAC, INC.

148 Keystone Drive, Montgomeryville, PA 18936, U.S.A.
Phone: + 1-215-619-9920

TAIWAN NIKKISO CO., LTD.

75 Section 4, Nanking East Road, Taipei, Taiwan
Phone: + 886-2-2713-9906
(Medical Devices Division)
3FL, Chung-yuan BL, No.45, Nanking E Road,Sec.4, Taipei, Taiwan
Phone: + 886-2-2718-5759

SHANGHAI NIKKISO MEDICAL PRODUCTS TRADING CORP.

Room11E, 666Fu Zhou Road Jin Ling Hai Xin Building, Shanghai, China
Phone: + 86-21-6391-7058

NIKKISO MEDICAL GmbH

Brodermannsweg 1, 22453 Hamburg, Germany
Phone: + 49-40-414629-19

NIKKISO MEDICAL (THAILAND) CO., LTD.

663 Sukhumvit 77 Suanluang, Bangkok 10250, Thailand
Phone: + 66-2-311-5736

NIKKISO ASAHI MEDICAL KOREA CO., LTD.

Sungbo BD4F, 833-2 Yeoksam-dong, Knagnam-gu, Seoul 135-933, Korea
Phone: + 82-2-3452-3385

M. E. NIKKISO CO., LTD.

74 Suwinat wong Rd, Saladang, Bangnumpeo chacheogsao, 24000, Thailand
Phone: + 66-38-593-207

NIKKISO VIETNAM MFG CO., LTD.

Road 19, Tan Thuan Export Processing Zone, Tan Thuan Dong Ward, District 7,
Ho Chi Minh City, Socialist Republic of Vietnam
Phone: + 84-8-7701320

Company Name	NIKKISO CO.,LTD. Listed on First Section of Tokyo Stock Exchange	
Date of Foundation	December 26, 1953	
Capital, Paid-in	¥6,094,984,191 (Number of Common Shares Issued 72,611,464 Shares) as of March 31, 2003	
Fiscal Year	From April 1 To March 31	
Employees	1,349 Persons as of March 31, 2003	
Head Office	3-43-2, Ebisu, Shibuya-ku, Tokyo 150-8677, Japan phone:+81-3-3443-3711 fax:+81-3-3473-4963	
Higashimurayama Plant	2-16-2, Noguchi-cho, Higashimurayama, Tokyo 189-8520, Japan phone:+81-42-392-3311 fax:+81-42-393-2201	
Shizuoka Plant	498-1, Shizutani, Haibara-cho, Haibara-gun, Shizuoka 421-0496, Japan phone:+81-548-22-5801 fax:+81-548-22-5886	
Kanazawa Plant	3-1, Hokuyohdai, Kanazawa, Ishikawa 920-0177, Japan phone:+81-76-257-4181 fax:+81-76-257-4250	
Board of Directors	President & Chief Executive Officer	Takashi Oto
	Managing Director	Mitsuyoshi Yamamoto
	Directors	Akihiro Nagao Toshihiko Kai Michio Kubota
	Senior Standing Auditor	Shuji Mizoguchi
	Standing Auditor	Shun Kuroki
	Auditor	Shinichi Hara Kenjiro Nakane
		as of June 24, 2003

ORGANIZATION

Affiliates

