



Industrial cleaning solution (Cleaning equipment and cleaners)



Key features of the product

1. Optimal solutions of equipment and cleaner
2. Fully custom-made solutions
3. Mechanical stability and durability with quick response

Our biggest advantage is that we can provide solutions composed of both industrial cleaning equipment and industrial cleaners. Having an equipment design department and a cleaner research department, we can provide the best solutions for industrial cleaning in Japan.

Solutions for our clients

After studying and analyzing the cleaning needs and current state of customers that are troubled by cleaning accuracy, cost-effectiveness, and safety, which are called into question in industrial cleaning, as well as by water quality, we can propose the best cleaner and cleaning equipment. Not only with cleaning equipment that is subject to individual order but also cleaners, we will pursue the most suitable product for the customer and provide optimal cleaning. Particularly in the automobile-related industries, we have a record of delivering many products in Japan and overseas.

Shimada Kasei Corp., Ltd.

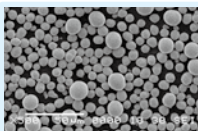
<http://www.ssc-shimada.co.jp/e/> [English](#) / [中文](#)

6-33-2, Ikuno, Katano City, Osaka

ISO 14001



Nickel compounds, cobalt compounds



Key features of the product

1. Highly functional materials for electronics applications
2. High purity chemicals for surface treatment
3. High active metal materials for catalysts

Using metals such as nickel, cobalt, copper, magnesium, and zinc, we have developed and provided various functional metal compounds for half a century, based on proprietary chemosynthetic technology. Moreover, utilizing the fine particle manufacturing technology that we have developed for active materials for secondary batteries, we create new functions for applications such as electronics materials, surface treatment, and catalyst.

Solutions for our clients

To realize better electric properties in electronic materials, the size and shape of the materials and the combination of metals are important. Since fine particle manufacturing technology enables us to control the size and shape on the order of micrometers and synthesize several metals in arbitrary ratios, we can develop custom-made materials. Although the chemicals used for surface treatment require rigorous control of impurities, our chemicals are highly pure and of a chemically-enhanced purity, and, therefore, are easy to handle. Moreover, owing to their high purity, the chemicals also have high catalytic activity.

Kansai Catalyst Co., Ltd.

<http://www.kansyoku.co.jp> [English](#)

1-3-13, Kashiwagi-cho, Sakai-ku, Sakai City, Osaka

ISO 9001

ISO 14001



Vanadium compounds



Key features of the product

1. Fuel oil ash and other industrial waste used as materials
2. Produce various vanadium compounds.
3. World's top share of chloride

We offer integrated production of various vanadium compound products using domestic materials such as fuel oil residues. As practical examples, vanadium oxytrichloride is used as a catalyst for producing synthetic rubber, and ammonium metavanadate is used as a catalyst for exhaust purification. Moreover, vanadyl acetylacetonate is used as a surface preparation agent (chrome-free) for steel sheets.

Solutions for our clients

We supply vanadium oxytrichloride to ethylene propylene rubber manufacturers in Japan and overseas. Because products made by such manufacturers have good weather resistance and heat resistance, they can prolong the service-life of parts for automobiles, etc. Ammonium metavanadate is used as a catalyst for exhaust purification of power generating facilities, etc., and thus contributes to environmental protection. Vanadyl acetylacetonate is also used as a catalyst for medicines.

SHINKO CHEMICAL Co., Ltd.

<http://www.shinko-chem.co.jp/> [English](#)

Shinsei Bldg., 8F, 2-7-26, Minamisenba, Chuo-ku, Osaka City, Osaka

ISO 9001

ISO 14001



Metal working fluids, special greases, special lubricating oils



Key features of the product

1. Research and development of oils suitable for applications
2. Line-up centering on high-performance special-purpose items
3. Manufacturing of a wide variety of products in small quantities

Metal working fluids: Optimal oils are selected based on a combination of processing elements such as grinding, cutting, and plastic working, and material elements such as general steel, nonferrous metals, and ceramics. Slide greases: Used for electricity contact points of automobiles, consumer electronics, etc. Have the effect of contact protection, life extension, and feeling adjustment. Lubricating oils for high temperature: Used for chains of driers and biaxial tenting machines. Have the effects of reducing sludge, preventing scattering and reducing oil consumption.

Solutions for our clients

In response to customer who "cannot procure oils suitable for processing" and "cannot obtain desired effects from general-purpose products", we develop and provide special oils to meet conditions of use, as a chemistry specialist. By making full use of the experiences and results that we have cultivated over many years and the most advanced technologies, we can make one and only products. Moreover, we can manufacture a wide variety of products in small quantities, which major oil makers find difficulty to do, and can meet customer requests based on rich knowledge and experience, and reliable development technologies.

SATO SPECIAL OIL CO., LTD.

<http://www.satooil.co.jp> [English](#) / [中文](#)

1-4-17, Imafukuhigashi, Jyoto-ku, Osaka City, Osaka

ISO 9001

ISO 14001

Good planning capability One-of-a-kind technology Made in Japan Trial production possible Mass-production possible

CONTACT: Osaka Core Manufacturing Technology Network (Detailed information: P13) E-mail : monob2b@mydome.jp



"N containers (Returnable containers)" internationally patented recycling-oriented products



Key features of the product

1. Zero-emission and carbon offsetting
2. Can be simply folded and assembled.
3. Free design in accordance with products to transport

"N containers" have a patented structure and can be easily assembled and dismantled. Making full use of various designs, the low-cost containers can satisfy all kinds of customers. As returnable containers and packing materials, the containers can be recycled and reused so as to conduct operations waste-free.

Solutions for our clients

We have developed our business focusing on industrial parts in a variety of fields including light electrical parts, building materials, industrial materials and communication, and pursued the creation of eco-friendly recycling-oriented products and the development of technologies. We manufacture and market niche products to extensive business categories. Because the containers are distribution-related products, they can be applied to all kinds of industries and business categories. In particular, we have made the containers usable overseas in response to recent transfer of operations overseas by businesses (by applying for and partially obtaining international patents). With the introduction of a simple lock system, the containers can be assembled and dismantled even by one female operator. The pallet-size containers can be folded and stored in less space.

NAKAYAMA INDUSTRY CO., LTD. <http://www.nakayama-ind.co.jp/> Japanese only
4-10-19, Nishinakajima, Yodogawa-ku, Osaka City, Osaka



Multilayered extrusion molding



Key features of the product

1. Combination of resin of different characteristics possible
2. Good response to environmental issues
3. Integrated highly-efficient and high-quality production system

We make resins of different characteristics and then laminate them to produce composite sheets and films that have the advantages of each resin. We can produce products as a substitute for vinyl chloride as well as biodegradable sheets. Our products are used in wide-ranging fields, including food, cosmetics, IT, medical treatment, industrial applications, and stationery.

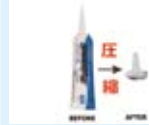
Solutions for our clients

Welder, heat sealing and supersonic wave welding can be applied to the CAP sheets, which were developed as environment-responsive products. Since the CPA sheets have good transparency, flexibility, impact resistance, and tear resistance, and cause no environmental pollution when incinerated, they can be used mainly as a substitute for soft vinyl chloride. Moreover, because the sheets have good sealing property, they can preserve the quality and retain the aroma of their contents, and, therefore, we can produce heat-resistant containers using such sheets. We have established a highly efficient system of producing high quality sheets and containers.

YAMATO-ESULON CO., LTD. <http://www.yamato-esulon.co.jp/> Japanese only ISO 9001
5-1-31, Higashihommachi, Yao City, Osaka



SK pouches



Key features of the product

1. Reduces disposal costs by space reduction after use
2. Reduces storage space required prior to filling
3. Easy to use by DIY enthusiasts

The SK pouch is a new type of sealant container that can replace the conventional cartridge and sausage packs. Compared to the cartridge the SK pouch can reduce the space required for storage and disposal. A nozzle can also be attached so that tools are easily cleaned after use compared to the sausage pack. The SK pouch is a patented product.

Solutions for our clients

For users of sausage pack materials:

Sausage pack users benefit from the space and waste reduction features of a soft pack but often the use of the sausage pack can be messy. Tools and hands can easily be contaminated by the materials inside the sausage. The nozzle attachment on the pouch pack helps reduce the contamination and therefore reduces the cleaning up process after use. For large quantity users:

In places where large amounts of sealant are used the amount of waste created by packaging is of great concern. The pouch pack greatly reduces the space required for waste and therefore the cost of disposal.

SHARP CHEMICAL IND. CO., LTD. <http://www.sharpchem.co.jp/> English / 中文
13-12, Chikkohamaderanishimachi, Nishi-ku, Sakai City, Osaka

ISO 9001



Coating and laminating of all kinds of films and metal foils



Key features of the product

1. Conductive high polymer-based antistatic films
2. Hard coating for touch panels
3. Coating on metal foils made of stainless steel, nickel, etc.

A conductive high polymer is mainly used as protective tape for transporting LSIs. Hard coatings are used for white boards and other touch panels, while metal foils are mainly used for promising applications such as fuel cells.

Solutions for our clients

We have been engaged in all kinds of coating and laminating for Class 1000 clean environment for many years. Because we can perform a series of processing steps from pretreatment (corona discharge treatment) to coating to slitting all in-house, we have customers in various industries such as the chemical and printing industries. We can process various kinds of products from plastic films to metal foils. Moreover, by processing within a Class 1000 clean environment, we can provide clean high quality products such as films for touch panels.

Asahi Chemical Co., Ltd. <http://www.asahi-chemical.co.jp/> Japanese only
2-33, Shindennishimachi, Daito City, Osaka

ISO 9001

Good planning capability One-of-a-kind technology Made in Japan Trial production possible Mass-production possible



"DICERO" hard coat films



Key features of the product

1. Highly transparent and high quality hard coat films
2. Diversified range of base materials such as PET and isotropic films
3. Grade in combination with adhesive layer is available.

DICERO is a hard coat film of high transparency and high quality. The thickness of the base material can be controlled from 50 to 188 μ . Moreover, the types of base materials include not only PET but also grades of polycarbonate with good optical isotropy and acryl, as well as materials with adhesive on one side.

Solutions for our clients

We are the top maker of diffusion films for LCDs. We have advanced optical technology and production technology that meet rigorous quality standards, and provide high quality products. The hard coat films are heavily used in the field of touch panels, and often used with LCDs at the same time. PET-based general products cause the problem of Moire patterns when looking through polarized sunglasses. Our isotropic film-based hard coat films have solved such optical problems.

KEIWA Incorporated

<http://www.keiwa.co.jp/> [English](#)
1-2-5, Kamishinjo, Higashiyodogawa-ku, Osaka City, Osaka

ISO 9001
ISO 14001



"adpack" volatile corrosion inhibitor paper (Anti-corrosion paper)



Key features of the product

1. Changes rust prevention processing from anti-corrosion oil.
2. Easily protects products from rust at a low cost.
3. Rust prevention power that is stronger than rust prevention film

When metal products are wrapped or sealed in container boxes and plastic bags with "adpack," they are protected against rust. The paper enables metal products to be used as they are without cleaning after they are unpacked. After use, "adpack" can be disposed of just as paper.

Solutions for our clients

We have "40 years of experience dealing with anti-corrosion paper." Our product "adpack" has established trust and results with more than 2,500 customers including major steel manufacturers, automobile makers and machine tool companies.

In hot and humid Asian regions such as Japan, the volatile anti-corrosion paper can easily prevent rust that can cause big troubles, and thus greatly helps customers.

At present, we have sales agents in China (Shanghai), Taiwan, South Korea, Singapore, Thailand, Malaysia and India.

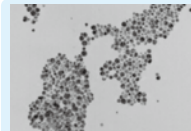
ADCOAT CO., LTD.

<http://www.adpack.jp> [English](#)
1-25-14, Hishie, Higashiosaka City, Osaka

ISO 9001



Manufacturing nano-size metal particles



Key features of the product

1. Commercialize metal particles 10 nm in diameter.
2. Can synthesize large quantities via liquid phase synthesis.
3. Nano-particles make low-temperature firing possible.

We have succeeded in producing these nano-particles based on a proprietary liquid phase particle manufacturing process, which was developed jointly with the Osaka Municipal Technical Research Institute. Metals, from which we can produce nano-particles, include silver, gold, and copper. Nano-size metal particles are expected to pave the way for high density electrodes, joining via alternative solder metals, and water-free processes using the particles as alternatives for plating.

Solutions for our clients

We have manufactured and marketed metallic paste for firing electrodes and plating solution. There is increasing demand for micro wiring for electrodes, and the paste using these nano-size metal particles are suitable for such wiring. With the widespread use of hybrid vehicles and electric vehicles, nano-size metal particles are attracting attention in applications for joining high current electrodes. Studies into nano-particle paste has been under way for some time. Moreover, because coating films made with these nano-particles have a texture that is close to plating, it is possible to make the plating process water-free.

DAIKEN CHEMICAL CO., LTD.

<http://www.daiken-chem.co.jp/> [English](#) / [中文](#)
2-7-19, Hanatennishi, Jyoto-ku, Osaka City, Osaka

ISO 9001
ISO 14001



"Hirose hooks" (hooks of sewing machine)



Key features of the product

1. Top quality
2. Quick delivery
3. Reasonable price

The "hook" of sewing machine is the part that stores the bobbin around which bobbin thread is wound. The hook catches the needle thread supplied from the needle, and, when going around to make a loop of the needle thread, passes the bobbin thread stored in the hook through the loop to create a stitch. Namely, the hook is the most important part of a sewing machine.

Solutions for our clients

We have provided more than 1,000 kinds of Hirose hooks suitable for all kinds of sewing machines used for sewing thin to heavy cloth, including no-oil-supply hooks (that eliminate oil spots on yarn and cloth) and tip-strengthened hooks (that reduce the damage to the hook tip by the needle). Moreover, we have conducted a study of "diamond-like carbon" via academic-industrial cooperation, and have succeeded in producing "durable hooks" that increase durability. Not only our accumulated technology but also our advanced processing technology, surface polishing technology and advanced dimensional accuracy are highly rated around the world.

HIROSE MFG. CO., LTD.

<http://www.hirosemfg.co.jp/> [中文](#)
4-5-12, Tsukuda, Nishiyodogawa-ku, Osaka City, Osaka

ISO 9001

Good planning capability One-of-a-kind technology Made in Japan Trial production possible Mass-production possible

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