

**ULVAC TECHNO: BRINGING INNOVATION TO THE WORLD**

CORPORATE PROFILE

### **Drawing on creativity and problem-solving expertise to maximize the potential of vacuum technology**

**A provider of maintenance and support for vacuum systems and equipment transforms itself into a fully fledged solutions partner.**

Creation of unprecedented new vacuum environments is a great example of genuine innovation—tangible benefits created from a bold vision and superior expertise. ULVAC was the first Japanese manufacturer to produce vacuum systems. The company has always believed in the potential of vacuum, which provides outstanding characteristics such as oxidation resistance, low boiling point, high insulation and unparalleled cleanliness.

ULVAC TECHNO has been providing vacuum equipment maintenance and other services since 1979.

Our start as a provider of maintenance and support for vacuum systems and equipment has given us an extensive portfolio of experience and expertise that has paved the way for our transformation into the fully fledged solutions partner we have become today.

ULVAC TECHNO will continue working to create new value while providing solutions precisely tailored to meet client needs.

# HISTORY

ULVAC  
ULVAC TECHNO, Ltd.

## ULVAC MILESTONES

### Providing support by working with Group members outside Japan

The ULVAC Group members have been stepping up the pace of globalization through partnerships between members inside and outside Japan designed to bring Japanese solutions to global markets.



### New cleaning segment, more client support

ULVAC TECHNO enhanced its solutions segment to boost Groupwide client satisfaction. It created new cleaning and second-hand product segments while serving as the Group's core solutions provider.



### Japanese service center upgrades, new segments for vacuum materials and surface treatments

ULVAC TECHNO began working closely with ULVAC to create new Japanese service centers starting in the mid-1980s. The 1990s then saw new segments for vacuum material sales and surface treatments added alongside the existing maintenance segment.



### Creation of ULVAC TECHNO, service center growth

ULVAC TECHNO was created by a spinoff of ULVAC's service segment in 1979 (initially doing business as ULVAC Service). The new company was the first service specialist in the Japanese vacuum sector.

Today

### Pioneering the future through advanced information technology and other next-generation vacuum technology

ULVAC technology is increasingly finding its way into the areas of advanced information technology, energy conservation and energy generation. We are committed to creating the new value that will be demanded by future generations as we help create a world of sustainability and abundance.

2000s

2000s

### Expansion into China, South Korea, Taiwan and other East Asian markets

The 2000s saw ULVAC actively seeking to expand into East Asia, with new production centers for large-screen LCD TVs opening in Taiwan, South Korea and China.

1990s

### Growth of ultra-large vacuum system segment provides benefits to flat-screen TV sector

The 1990s saw ULVAC providing increasingly advanced vacuum systems. One example was the worldwide growth of vacuum systems used to manufacture LCD screens for desktop PCs.

1980s

### Growth of production and service centers, providing benefits to semiconductor and electronics sectors

The 1980s saw ULVAC benefiting a number of industry sectors as ULVAC-branded vacuum systems used to manufacture semiconductors and other electronic components gained a solid reputation.

1980s-'90s

1970s

### Creating new technology to benefit sectors such as automobiles and consumer electronics

IBM was an early admirer of ULVAC technology's reliability, ordering a fully automated semiconductor manufacturing system from the company in 1975.

1979s

1950s-'60s

### A general vacuum system manufacturer bringing production to Japan

By its third year in business, ULVAC had completely transformed itself from a US vacuum system importer and vendor, to a manufacturer of equipment made in Japan.

### Founded with a mission to benefit the industrial sector

ULVAC was created in 1952 with assistance from business leaders such as Panasonic founder Konosuke Matsushita. Led by young vacuum researchers, the company's founding mission was to bring benefits to the Japanese industrial sector. The ULVAC Group has been providing products of value since inception, garnering a solid reputation as a general vacuum equipment manufacturer of worldwide renown.

## ULVAC TECHNO MILESTONES

# A portfolio of expertise dedicated to maximizing the potential of forward-looking vacuum technology

ULVAC vacuum technology is finding applications in everything from advanced information technology to energy conservation and generation.

The growing potential of vacuum technology is leading to applications in next-generation domains such as new energy, healthcare and the environment.

The ULVAC Group is a world leader in this dynamically changing space. ULVAC TECHNO brings together a portfolio of technical expertise and support capability worthy of an ULVAC Group member.

Our mission is to maximize the limitless potential of vacuum technology to meet the needs of future generations.

High-density packaging

Next-generation non-volatile memory

Medical

Next-generation displays

High-brightness LEDs

Power devices

## RESEARCH & DEVELOPMENT

Electronic components, MEMS

Microminiature wiring

New energy

Next-generation automobiles

Environment

High-efficiency solar cells

Pioneering a future made possible  
by vacuum projects underpinned  
by solid technology.

## VACUUM TECHNOLOGY

## BUSINESS DOMAIN

### ULVAC TECHNO'S BUSINESS DOMAINS

A portfolio of expertise used to help exploit the limitless potential of  
vacuum technology

Systems and  
equipment  
maintenance

Restorative  
cleaning

Surface  
treatments

Supplying  
parts

Buying,  
selling and  
refurbishing  
second-hand  
equipment

System  
upgrading and  
improvement

System  
design and  
fabrication

Factory  
Outsourcing  
(FOS)

## BUSINESS OVERVIEW

Systems and  
equipment  
maintenance

Restorative  
cleaning

Surface  
treatments

Supplying  
parts

Buying,  
selling and  
refurbishing  
second-hand  
equipment

System  
upgrading and  
improvement

System  
design and  
fabrication

Factory  
Outsourcing  
(FOS)

### A vacuum sector company providing solutions tailored precisely to individual client needs

ULVAC TECHNO's lineup of maintenance and other services is designed to provide continuous, persistent assistance ensuring stable operation of high-performance, high-precision vacuum systems and equipment.

ULVAC TECHNO is responding to today's growing demand for applications and increasingly diverse client needs by updating our business domains. Our latest service lineups reach beyond the old boundaries by incorporating continuous improvement programs (CIPs), design and fabrication.

Our global activities include active work on services through teamwork with Group members outside Japan.

# BUSINESS OVERVIEW

Our maintenance services for vacuum equipment and systems have been a constant since our founding. Our client support work has also been gradually expanded to ensure services tailored precisely to client needs. ULVAC TECHNO's service lineup helps clients keep production lines operating stably and ensures reliable research findings. Find out how ULVAC TECHNO's services can bring new value to your operations.

## Surface treatments and restorative cleaning



ULVAC TECHNO uses one of Japan's largest processing facilities to meet demands for surface treatments and restorative cleaning. Our unique service lineup covers client needs ranging from generic processes to services for ultra-large parts. The services are driven by original ULVAC TECHNO technology alongside technology acquired through a technology partnership with US coating specialist Magnaplate.

## Buying and selling second-hand equipment and systems



ULVAC TECHNO buys and sells second-hand vacuum equipment and systems by drawing on our extensive portfolio of technical expertise in these products. We provide a comprehensive range of client assistance by working with our specialized in-house departments. We can assist with everything from second-hand product refurbishing or alterations, to equipment dismantling, installation, startup, post-delivery operation planning, maintenance and material supply.

## Equipment and system sales



ULVAC is a trusted name for vacuum equipment and systems renowned for high levels of quality and functionality. They are sold through a partnership between ULVAC TECHNO and ULVAC Equipment Sales. Our diverse product lineup includes equipment for vacuum pumps, measuring instruments, deposition, systems and power supplies. Consumable parts can also be provided. Contact ULVAC TECHNO for more information.

## Continuous improvement programs (CIPs)



CIPs are services designed to improve systems for clients inside or outside Japan by boosting productivity, extending life and providing upgrades. They ensure optimum system planning by combining the extensive expertise of ULVAC TECHNO and the ULVAC Group as a whole.

## Maintenance services



ULVAC TECHNO has opened over 20 service centers in Japan to ensure that client production lines receive rapid assistance and superior technology. Our comprehensive service network has centers that provide 24-hour emergency service from convenient locations near client sites. We respond to maintenance requests related to everything from systems to vacuum pumps, measuring instruments and transport robots.

## Part sales



Our extensive array of high-quality parts has been carefully and expertly selected to satisfy needs ranging from vacuum materials to vacuum parts required by today's vacuum equipment and systems. Our rapid and meticulous inventory management methods ensure stable supply through rigorous control systems. Client contact is provided by our network of service centers throughout Japan and Group members outside Japan.

## System design and fabrication



ULVAC TECHNO vacuum system design and fabrication services are available upon client demand. Work products tailored closely to client needs are provided by drawing on expertise in fabrication projects and CIPs built up over the course of a long and successful track record. Special systems not included in ULVAC product lineups can also be flexibly accommodated.

## **Planning cutting-edge products and services with a meticulous understanding of basic client needs**

ULVAC TECHNO has been providing maintenance and other services since 1979, and currently maintains over 5,000 vacuum systems in Japan.

We make regular visits to client sites to get feedback and learn about potential issues. These routine site support activities have provided a wealth of client feedback data that plays a key role in inspiring new business areas.

Feedback from client sites is examined closely and forwarded to the ULVAC R&D teams for use in planning original solutions.



# STRENGTHS OF ULVAC TECHNO

## A comprehensive lineup of maintenance-based solutions

The functions provided by ULVAC are closely tailored to the client needs we uncover in comprehensive detail during the course of the routine maintenance services we provide. ULVAC TECHNO excels at providing solutions that are optimally matched to client-specific needs. We are committed to actively working on client advocacy by forging stronger ties with the clients who use our products and services. Our ultimate aim is to see clients sharing positive feedback about ULVAC TECHNO success stories.

## Planning-based client services

ULVAC TECHNO has the ability to visit client production sites and access the technical drawings of the entire ULVAC product lineup. Maximizing these assets has enabled us to create offerings that surpass traditional support services. These offerings are underpinned mainly by the planning-based client services we provide through consulting work. These services can encompass both ULVAC and outside products as needed. We offer planning designed for full client satisfaction, with methods that are sometimes unconventional.

## An ongoing commitment to client-oriented solutions

When it comes to product use, every client has different needs and different approaches. Semiconductor manufacturers are one example. One client might have no problem rematching its processes to accommodate system updates. But another might find it more convenient to simply continue using its legacy systems. So this client would rather learn how to improve or alter its existing systems than how to replace them with the latest products. We work closely with every client to find the optimum choices for their needs, ever mindful that solutions are only as useful as the client benefits they provide. Our work helps companies thrive while advancing the evolution of modern vacuum technologies.

# GREETINGS



President & CEO  
Tetsuya Shimada

## ULVAC TECHNO is a general vacuum equipment service provider committed to satisfying client needs.

ULVAC TECHNO was created in January 1979 through a spinoff of the service department of parent company ULVAC (then known as Japan Vacuum Engineering). It was created to provide advanced vacuum system and equipment maintenance and management services worthy of a general vacuum equipment manufacturer.

ULVAC TECHNO can satisfy a wide range of client needs. We maintain and repair vacuum equipment and systems. We provide vacuum system alterations, upgrades and refurbishment. We offer tailor-made services for client needs such as system fabrication, surface treatments and restorative cleaning (precision cleaning). We also have a supply service for parts and vacuum materials, and buy and sell second-hand equipment.

As a service provider, our ultimate aim is to earn the full trust and confidence of our clients by providing support for their production lines and ensuring they meet the performance targets set for their systems, equipment and peripherals. We have created a network of client service centers located throughout Japan to ensure high-quality client service while enhancing our role as a service provider and the ULVAC Group's primary client liaison.

We also work with overseas ULVAC subsidiaries to meet client demands by providing the same ULVAC TECHNO services available in Japan for client operations located outside Japan.

## Management policy

ULVAC TECHNO is an ULVAC Group member that provides services for vacuum systems and equipment such as maintenance, part sales, alterations, second-hand sales, cleaning and surface treatments.

The Company has always been committed to putting the client first. Earning client trust and providing client benefits are the two cornerstone values underpinning our management policy.

Today's ever-evolving consumer needs are making vacuum equipment and systems more important than ever before. ULVAC TECHNO is responding by bringing our impressive track record together with a wealth of technology expertise in a mission to provide vacuum system and equipment support for both legacy and cutting-edge models. We are committed to continuously improving and growing as a company, while providing ongoing support tailored closely to client needs and designed to provide greater value and benefits.

## Environmental protection and sustainability initiatives

ULVAC TECHNO is committed to being a model global and corporate citizen dedicated to helping ensure a sustainable future through specific actions informed by the environmental policy below.

### Environment

ULVAC TECHNO works on protecting the global environment and preventing pollution through support service activities. We have instituted an environmental management system and engage in ongoing environmental improvement activities with the full participation of our workforce. The Company has also created a list of key issues that shape how we approach our activities. It includes complying with all applicable environmental laws and regulations, reducing environmental impact, saving energy, recycling waste, and completely eliminating harmful substances from our products. The list is updated periodically.

### Sustainability

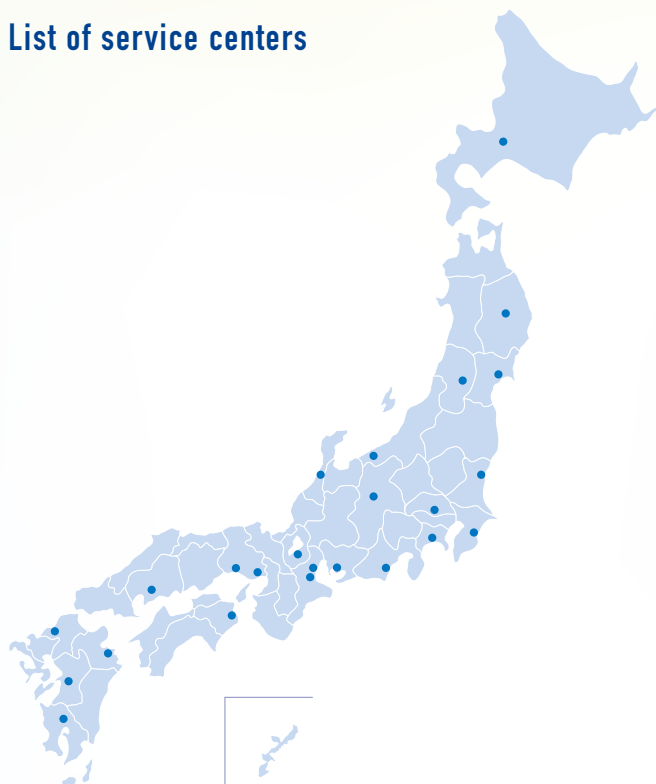
Materiality is the process of identifying and assessing the sustainability issues of key significance for stakeholders, and is specified by the ULVAC Group's Sustainability Policy.

- Creating vacuum technology-centered innovations independently and with partners
- Creating a diverse workforce and an organization designed for active participation and resilience
- Ensuring that value chains incorporate respect for human rights and accountability for actions
- Helping ensure a sustainable global environment

## Company profile

Name	ULVAC TECHNO, Ltd.
Brand name	ULVAC TECHNO
Headquarters and main plant location	2609-5 Hagisono, Chigasaki-shi, Kanagawa, Japan 253-8555
Founded	January 1, 1979
Representative	Tetsuya Shimada, President & CEO
Capital	JPY 125,000,000
Business areas	Maintenance services, equipment and system sales, buying and selling second-hand vacuum equipment and systems, cleaning internal fixtures, selling vacuum materials, parts and consumables, metal surface treatments, chemical treatment-based cleaning, solar cells, EV services, electrical work, research guidance and technical advice for all aspects of vacuum technology
Main shareholder	ULVAC, Inc.

## List of service centers



### Hokkaido Region

#### Hokkaido CS Center

4-1838-10 Nishiki-cho, Chitose-shi, Hokkaido 066-0064

### Tohoku Region

#### Iwate CS Center

15-35 Ryutsu Center, Kitakami-shi, Iwate 024-0014

#### Miyagi CS Center

2-3-1 Hiyoridai, Tomiya-shi, Miyagi 981-3304

#### Yamagata CS Center

1863-13 Kanisawa, Higashine-shi, Yamagata 999-3716

### Kanto Region

#### Ibaraki CS Center

1232-12 Mukoyama, Naka-shi, Ibaraki 311-0102

#### Saitama CS Center

2-14-11 Hirosedai, Sayama-shi, Saitama 350-1328

#### Mobara CS Center

3210-7 Honno, Mobara-shi, Chiba 299-4114

#### Chigasaki CS Center

2609-5 Hagisono, Chigasaki-shi, Kanagawa 253-8555

## The ULVAC name

The ULVAC brand from which the ULVAC Group and Group member ULVAC TECHNO take their names is a portmanteau of the phrase ***ultimate in vacuum***. It was chosen as a reference to the Company's **pursuit of the limitless potential of vacuum**.

The limitless potential of vacuum technology has long been producing benefits for a large number of sectors. It has improved the everyday lives of consumers, the energy conservation and generation sector, and ICT applications such as the Internet of Things (IoT).

### Chubu Region

#### Nagano CS Center

1805-3 Hirooka-Nomura, Shiojiri-shi, Nagano 399-0702

#### Niigata Branch Office

2-4 Toyo-cho, Myoko-shi, Niigata 944-0009

#### Aichi CS Center

31 Aza Enokida, Ohira-cho, Okazaki-shi, Aichi 444-0007

#### Shizuoka CS Center

2-5 Yasaki-cho, Kakegawa-shi, Shizuoka 436-0020

#### Hokuriku CS Center

1140 Urushijima-machi, Hakusan-shi, Ishikawa 924-0835

### Kinki Region

#### Yokkaichi CS Center

2-10-17 Horiki, Yokkaichi-shi, Mie 510-0076

#### Mie Branch Office

1206-1 Seki-cho Ege, Kameyama-shi, Mie 519-1106

#### Amagasaki CS Center

2-7-18 Kinrakuji-cho, Amagasaki-shi, Hyogo 660-0806

#### Himeji CS Center

532-1 Aza Noriyashiki, Tatsuno-cho Domoto, Tatsuno-shi, Hyogo 679-4129

#### Shiga CS Center

100-20 Aza Shohoji, Oshinohara, Yasu-shi, Shiga 520-2313

### Chugoku Region

#### Hiroshima CS Center

909-1 Saijohigashi, Saijo-cho, Higashihiroshima-shi, Hiroshima 739-0042

### Shikoku Region

#### Tokushima CS Center

33-1 Nakasu, Obara-cho, Tokushima-shi, Tokushima 770-8012

### Kyushu Region

#### Kumamoto CS Center

100-31 Yoshitomi, Shisui-machi, Kikuchi-shi, Kumamoto 861-1201

#### Fukuoka CS Center

839-1 Nijomasue, Itoshima-shi, Fukuoka 819-1613

#### Oita CS Center

1-12-41 Aosaki, Oita-shi, Oita 870-0278

#### Kagoshima CS Center

3313 Yokogawacho Kamino, Kirishima-shi, Kagoshima 899-6301

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