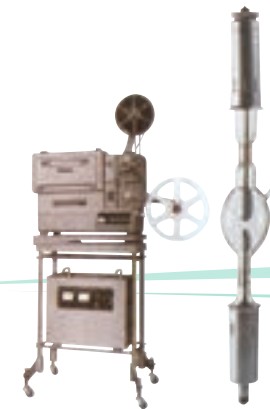


www.ushio.co.jp/en/

*Applying **L**ight to Life*

Turning light into energy and illumination



Creating a bright future since 1964

Ushio believes in the almost infinite possibilities that light can illuminate and accomplish. We are pioneering new markets that use light to not only illuminate but also to power modern life, using ultraviolet light to create photochemical energy and infrared light for thermal energy.

Photos: Xenon projector and xenon short arc lamp—a light that has been described as a “miniature sun”

Lighting up new possibilities

A half-century of brilliance.

A future where development is sustainable and safe for our planet.

A high-tech future like we've only seen in movies.

A future where lives we couldn't have saved, can be saved.

With "light," the future can go beyond our imagination.

So today, we continue to believe and challenge the endless possibilities of "light."

Industrial Process

Semiconductors

Flat panel displays

Precision equipment

Photochemistry

Printing

Electronic components

Production equipment

Visual Imaging

Visualization / simulation

Digital cinemas

Video display systems for surveillance and control

Light sources for projectors

General and commercial lighting

Landscape lighting

Stage and studio lighting

Life Science

Medical Application
Environmental Hygiene

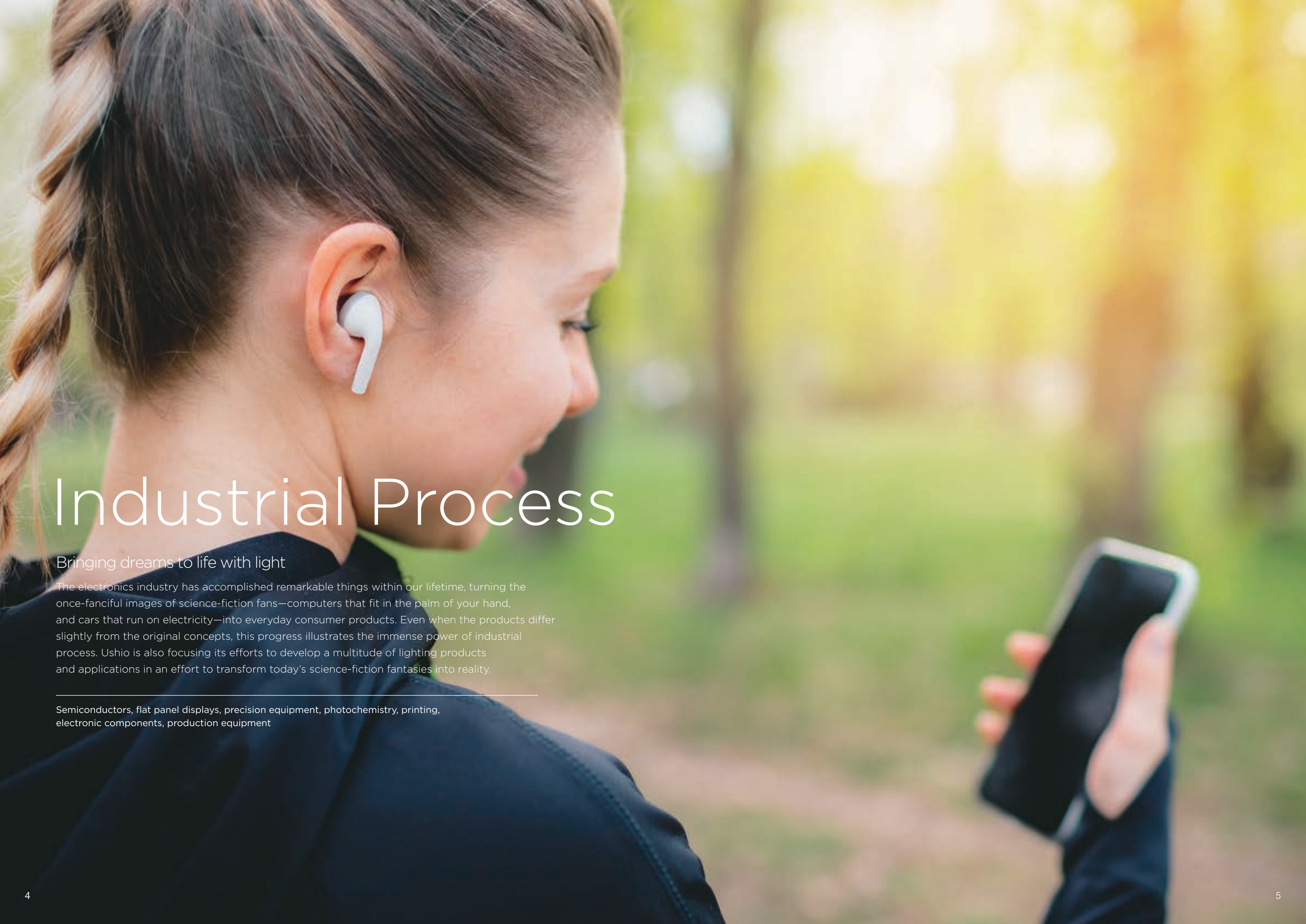
Agriculture

Marine/fisheries

Security

Energy

Space exploration



Industrial Process

Bringing dreams to life with light

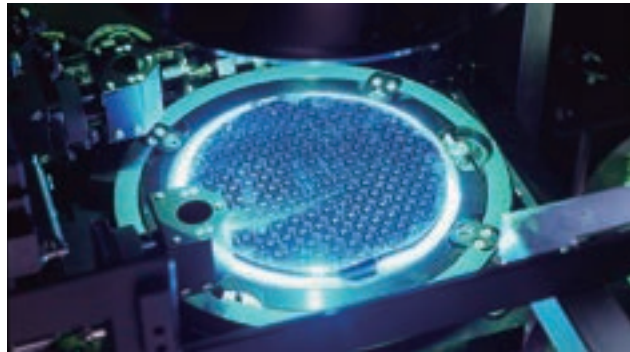
The electronics industry has accomplished remarkable things within our lifetime, turning the once-fanciful images of science-fiction fans—computers that fit in the palm of your hand, and cars that run on electricity—into everyday consumer products. Even when the products differ slightly from the original concepts, this progress illustrates the immense power of industrial process. Ushio is also focusing its efforts to develop a multitude of lighting products and applications in an effort to transform today's science-fiction fantasies into reality.

Semiconductors, flat panel displays, precision equipment, photochemistry, printing, electronic components, production equipment

Industrial Process

As electronic process gadgets continue to get smaller, thinner and more precise, Ushio lighting products help propel this advance

► Semiconductors, flat panel displays, precision equipment, photochemistry, printings, electronic components, production equipment



LITHOGRAPHY TOOLS

Ushio is the only manufacturer of lithography tools that has the necessary technological expertise—light sources, optical technology, wafer conveyance equipment, alignment, power sources and software—to develop and produce complete lithography tools in-house.



UV lamps for lithography



Lithography tools



MODIFICATION (Photo cleaning and particle removal)

Ushio products use ultraviolet light technology to promote chemical reactions—decomposition, compound synthesis and polymerization—to remove organic matter from substrate surfaces.



Excimer irradiation unit



Atmospheric Pressure Plasma Irradiation Device



UV CURING (bonding and drying)

Supporting a wide range of processes from photoresist curing to protective tape peeling. We propose the optimal light-curing system tailored to your materials and applications.



UV-LED irradiation unit for semiconductors



UV-LED irradiation unit for printing



EXPERIMENTAL SYSTEMS

Ushio can provide optical inspection systems to meet a multitude of requirements, with light sources ranging from infrared to visible light and ultraviolet, photo-responsive testing and the development of new processes and materials.



Light source unit for physicochemical equipment



Light sources for experimental systems



PHOTOHEATING (deposition and diffusion)

Ushio's heating lamps offer characteristics that other heat sources cannot match, including rapid heating/cooling and non-contact heating with precise temperature control. The company offers everything from light sources to full processing lines.



Halogen lamp heater



Flash lamp annealing



OFFICE AUTOMATION EQUIPMENT

Ushio light sources are used in office equipment such as printers and photo copiers. The company is constantly developing new products that match customer requirements while reducing power consumption and providing high resolution and top quality.



LED module for document scanners



Lamps to fix toners



OPTICAL MEASURING

As a company that specializes in optics, Ushio has accumulated extensive experience and know-how in optical measuring equipment. Precise regulation of the light source helps to improve quality.



Accumulated UV meter/UV intensity meter



Spectro-radiometer UV intensity meter/spectro-reflectance meter



INDUSTRIAL MACHINERY

Ushio offers a variety of engineering systems that help to improve efficiency and quality, including plastic-related products from raw materials to inspection equipment for injection mold machinery and metal molds, food packaging, inspection and robotic systems.



Visual Imaging

What will the future bring to light?

The world is moving toward a new tomorrow, which will merge the traditions, customs and history of each country with the dreams and imaginations of a new generation. Light can not only illuminate, but also illustrate, record and transmit those ideas or accomplishments from the past to the future, and from one person to another. Ushio wants to realize the possibilities that only light can accomplish, illuminating today's world with images of what the future will bring.

Digital cinemas, visualization / simulation, video display systems for surveillance and control, light sources for projectors, general and commercial lighting, landscape lighting, stage and studio lighting

Visual Imaging

From entertainment, to light sources, to research and development—Ushio provides imaging and lighting to match your inspiration



DIGITAL CINEMAS

Ushio provides advanced digital cinema projection solutions featuring 4K resolution, laser illumination, and 3D presentation capabilities for a wide range of cinema environments, from premium large format auditoriums to mainstream exhibition. The company offers comprehensive support, from theatre design and equipment planning to installation, service, and network operation centers capable of managing multi-screen theatre operations.



Digital cinema projector



Projector monitoring center



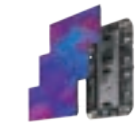
Ghostly Manor at Paultons Park, UK. Photo credit Paultons Park

VISUALIZATION / SIMULATION

Ushio develops advanced visual technologies for complex applications requiring high-fidelity displays. Its LED video wall systems support simulation and training as well as data visualization for manufacturing, scientific research, oil and gas exploration, and infrastructure planning. Its 2D and 3D stereoscopic projection technologies enable immersive themed environments with accurate colors and depth perception, smooth motion, and high-resolution imagery.



3DLP projector for VR attraction



MicroTiles LED for simulation



VIDEO DISPLAY SYSTEMS FOR SURVEILLANCE AND CONTROL

Ushio's video display systems are built for environments where reliability and image quality are key. Designed for continuous use in government, security, mission-critical control rooms, and large displays. Ushio systems provide consistent visual performance for clear information sharing and confident decision-making.



LCD Secure Series



Exceptional performance and visual fidelity for control rooms with XP Series LED video walls

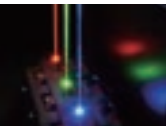


LIGHT SOURCES FOR PROJECTORS

Thanks to the superior color resolution it offers, Ushio boasts the largest share of the global market for light sources used in video projectors. The company has a full lineup of products with light and power sources suited to various types of lamps for data projectors, LEDs, and lasers, which are used at homes, offices, and schools.



Projector lamps for cinema



Semiconductor lasers used in a projection system



GENERAL AND COMMERCIAL LIGHTING

Ushio supplies lighting products ranging from LED bulbs to halogen lamps and high-value-added lighting systems and lighting design support. Our products can appropriately illuminate the atmosphere of any living space.



LED & Halogen Bulbs



Lighting fixtures



Projection mapping at Festa da Luz in the historic center of Belo Horizonte. Photo credit Cadu Passos & Isis Medeiros

LANDSCAPE LIGHTING

Whether illuminating a landmark, accentuating a building's architectural details, or transforming a sports venue, Ushio offers solutions that turn any surface into a spectacular visual experience. From light sources to high-brightness projectors and projection software tools, the company offers the technology needed to meet a wide range of creative and technical requirements.



Projector



Full-Color LED Floodlight



STAGE AND STUDIO LIGHTING

Ushio provides lighting solutions for a wide range of live event venues, including theaters, concert halls, hotel ballrooms, and banquet facilities. Solutions combining lighting, LED displays, and video projection can be tailored to create impactful visual experiences of any scale.



Xenon follow spotlights



Automated Lighting

A close-up photograph of a man with short dark hair, wearing a blue and white striped shirt, gently kissing a baby on the forehead. The baby, with light brown hair and blue eyes, is wearing a white dress with black floral patterns and a silver watch. The background is a soft-focus green, suggesting an outdoor setting with trees.

Life Science

Promoting a bright future for everyone

Human beings are constantly reaching for the stars, but they also want to preserve a good environment on this planet for their children, and provide good health and medical care for their families. Light not only helps us in unraveling the mysteries of the universe, but it also powers our ecosystem and facilitates an understanding life itself.

Medical Application, environmental hygiene, optical testing, agriculture, marine/fisheries, security, space exploration

Life Science

Researching basic technologies and principles of light, and applying them to the needs of the future



MEDICAL APPLICATION (treatment, diagnosis, sterilization and testing)

Light-based medical equipment is attracting great interest due to its ability to enhance the quality of life. Ushio employs the most advanced technology to develop new products used in medical treatment, diagnosis, testing and sterilization/hygiene.



UV phototherapy device for dermatological problems
"TheraBeam UV 308 Slim"

UV phototherapy device for dermatological problems
"TheraBeam UV308 mini LED"



ENVIRONMENTAL HYGIENE

Ushio has developed light-based products for the preservation of natural environment that help improve water quality in rivers, groundwater, water supply and sewerage systems, prevent air pollution by reducing gas and particle emissions, and reduce virus and bacteria.



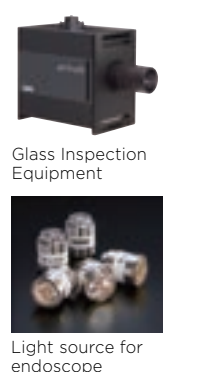
UV Light Source Module for Antiviral and Antibacterial Disinfection

UV Light Source for Ozone Generation



OPTICAL TESTING

Ushio's image-testing equipment, which can be adapted to match the product being tested, makes it easy to identify even minute flaws or precision errors.



Glass Inspection Equipment

Light source for endoscope



AGRICULTURE (cultivation and propagation)

Agriculture faces great challenges in our modern world to preserve the safety, quality and stability of our food supply. By developing and optimizing man-made light sources that can be used for cultivation, Ushio hopes to help solve global food supply issues.



Light sources and power supplies for plant cultivation

Lamp for plant cultivation



MARINE/FISHERIES

High-quality searchlights and floodlights play an important role in marine safety, disaster prevention and surveillance. In addition to these products, Ushio offers a lineup of lights for luring fish and illuminating boat decks, which help to improve efficiency and create a safer working environment on fishing boats.



LED light for attracting fish

Remote-controlled searchlight



SECURITY (hazardous chemicals, surveillance and information security)

Ushio provides products for a variety of purposes including the detection of pesticides and hazardous chemicals, nighttime surveillance and security. Ushio products also are used to prevent data theft and provide information security for computer systems.



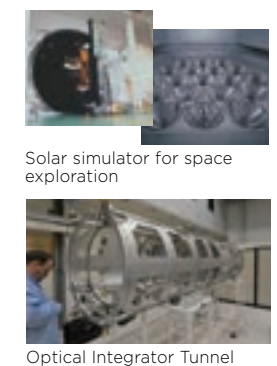
Laser diode for sensing

Infrared LED flood light



SPACE EXPLORATION

Ushio is a strong partner to space agencies/space business partners for a long time now. Ushio has developed a solar simulator which allows conditions in space to be recreated on the ground, using a man-made "sun".



Solar simulator for space exploration

Optical Integrator Tunnel

Research & Development

Partnering with Our Customers for Innovation Through Light

As a company built on light, we have cultivated deep expertise over many years, along with a diversity of perspectives gained through collaboration across industries and sectors. This deep understanding of light, combined with our technical expertise, drives R&D that extends beyond light sources themselves to the development of processes that maximize their value—expertise reflected in every product we deliver.

Creating New Value for the World Through Light—Innovation Only Ushio Can Deliver

Developing total light-based innovations that delight customers and exceed expectations

Our Key Technologies:

1. Light Source
2. Optical Design
3. Mechanical Design
4. Power Supply
5. Software Design
6. Process Development
7. Analysis and Evaluation

Ushio's light is called upon to solve challenges beyond the reach of conventional methods and technologies.

That is why every Ushio solution begins with close consultation with our customers.

Together with our customers, we chart the most direct path forward, considering not only the final product concept, expected results, operating conditions, and target objects, but also the required quality, reproducibility, and scalability for mass production.

As needed, we provide solutions ranging from light-source development to process design and implementation.

By maximizing the use of simulation technologies, we shorten prototyping and validation cycles, accelerating development.

We establish reproducible processes backed by experimental and analytical evidence.

This enables stable, high-quality operation even in demanding environments.

Bringing light innovation to life through one-stop solutions—that is the strength of Ushio.

Quality & Production



As the market leader, Ushio has a responsibility for the highest quality products

Ushio carefully determines the lighting requirements, makes sure that the product fully meets every one of the specifications, and maintains strict quality standards in every stage of development, testing and mass production trials. When a product reaches the production stage, every effort is made to meet companywide standards of quality, cost, speed and efficiency. In this way, Ushio strives to build world-class quality into every product it makes.

Basic Philosophy

Ushio regards product quality as an overriding priority and will promptly provide global markets with high quality, safe products and services that are highly reliable and economical in order to fulfill the requirements of customers.

Action Guidelines

1. We will act rigorously in putting the customer first and putting quality first, and will develop appealing products with cutting-edge technology to fulfill the requirements of customers and earn their trust.
2. We will strive to further improve quality by developing entity-level quality management systems and continually working to improve their effectiveness in order to meet the needs of customers.
3. We will work to share information with customers, make cost improvements, develop new products, pioneer new markets, and promptly provide global markets with high quality, safe products that are highly reliable and economical.

Global Network

Delivering high-quality light to Asia, Europe and the Americas

Today, demand for light products has a strong global character; for example, semiconductor manufacturers have production bases dispersed around the globe, while medical activities frequently transcend international boundaries. Ushio has a network of group companies in 100 countries and regions around the world, all of which draw upon Ushio's expertise in light technology and satisfying the diverse needs of customers. When clients deal directly with Ushio, they can expect to receive the same high quality and service in every part of the world.



Sustainability

Economic value grows from the creation of social value.

As reflected in our Management Philosophy, we believe economic and social value creation are equally important.

To maximize corporate value by balancing business growth and sustainability, the Ushio Group is working together to achieve “Revive Vision 2030” through its Five Management Focuses.

Ushio Group Management Philosophy

1.
Build both a prosperous Company
and prosperous employees.
2.
Deliver products and services
that are competitive in the global market.
3.
Contribute to society through superior products
and innovative research and development.
4.
Expand profits, corporate responsibility, and
competitiveness through open and free-thinking
business operations.

Five Management Focuses

1



Creating Light
Innovation
Businesses
to Solve Social
Issues

2



Developing Our
Diverse Talent to
Get
Closer to Our
Vision

3



Creating Working
Environments
where It Is Easy to
Produce Results

4



Sustainably
Reducing
Environmental
Impact

5



Building a Robust
Management Base

For further information about sustainability initiatives at Ushio, please refer to the Ushio website.

A future beyond Imagining through Innovation with Light

Since the day of our founding in 1964, we, a company that brings innovation with “light,” have created a host of world-first products that have gone on to achieve leading market shares internationally, most notably in fields such as industrial processes, visual imaging, life sciences, and photonics solutions.

The potential of light still today has yet to be fully explored, and Ushio strongly believes that there is much more that light can do.

Determined to embody the thinking and the ideal implied in the corporate slogan “Applying Light to Life” that we developed based on our management philosophy, we will contribute to realizing a future and a culture beyond imagining. At the same time, we will sincerely commit to ESG management and will work harder than ever before to achieve sustainable growth and improve corporate value.

Takabumi Asahi
President and CEO

