

KEYENCE
CORPORATE PROFILE





Introduction

KEYENCE strives to be innovative and develop products and solutions that always add value to our customers operations.

A Leader in Sensing Technology since 1974

Who We Are

KEYENCE has steadily grown since 1974 to become a worldwide leader in the development and manufacture of sensing equipment ranging from automation sensors, measuring instruments, and visions systems to laser markers and digital microscopes.

Our innovative products not only meet the current but also future customer requirements in many manufacturing and research industries.

At KEYENCE we strive to anticipate the market's future needs to provide tomorrow's solution today.

At KEYENCE, we are not content to merely have the best products on the market, we also provide our customers with the most knowledgeable and trained sales professionals in the industry. We are dedicated to supporting the customer's mission of becoming the leader of their respective industry.

KEYENCE, a blue chip company, has been recognized by many prominent organizations. Most recently, we were ranked 17th on Forbes' "World's Most Innovative Companies" list. We have also been named one of Business Week's "1000 Best Valued Companies," and are consistently ranked ahead of companies like Sony and Honda Motors in Japan's Nikkei newspaper's annual ranking of the "Top Ten Excellent Companies in Japan."

Today, KEYENCE serves over 200,000 customers in some 70 countries around the world, where its name stands for innovation and excellence.

Direct Approach

KEYENCE employs a large number of sales engineers throughout the world enabling invaluable direct on-site support.

With this direct approach we are able to meet the customer's needs at every level of their business, from the design and research stage to the production line and beyond.

These highly trained sales engineers are problem solvers who can provide real solutions to the customers' applications with existing products or potential new solutions.

Superior Technology

KEYENCE is a worldwide leader in innovating and supplying the most cutting-edge and highest quality automation and manufacturing technologies. New product sales consistently account for 30% of KEYENCE's total sales, illustrating our ability to develop new products and quickly respond to customer needs.

Versatile Products

KEYENCE manufactures a broad range of products, from photoelectric and proximity sensors to measuring instruments for inspection lines and high precision devices used in research institutes. These products are used across all industry sectors.

Worldwide Logistics

Products are shipped on the same day as the order is received from warehouse centres located in over 44 countries throughout the world ensuring quick delivery.



Product Development

At KEYENCE, terms like "World's First," "World's Fastest," "Industry First," and "Best in Class" come standard with our products.

Developing Industry Leading Products through Intense In-house Research and Development

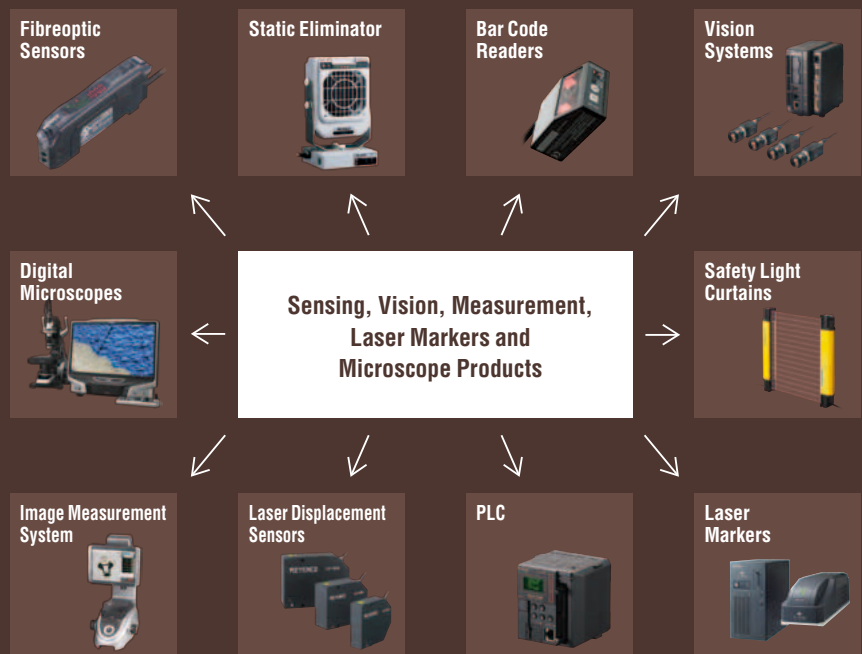
KEYENCE products are designed to add value to the manufacturing and research practices of our customers.

Our products are engineered to be versatile, so they can be used in every industry and a wide variety of applications. KEYENCE offers the worlds best products for today and tomorrow's application needs.

At KEYENCE, terms like "World's First," "World's Fastest," "Industry First," and "Best in Class" come standard with our products.

With over 40 years of direct, on-site problem solving experience we know the industries we serve better than other companies in the industry enabling us to provide optimal solutions.

Products for Manufacturing and Research and Development



A full-page background image showing a perspective view of a car production line. Multiple car chassis are lined up, receding into the distance. The scene is filled with a dense spray of bright orange sparks, likely from a welding or grinding process, which dominates the foreground and middle ground. The lighting is warm and industrial, with the sparks providing the primary light source.

Product Lines 01

Innovative sensing and measurement solutions to keep you competitive by helping to automate your processes.

Sensing, Measurement and Microscope Products

Customers in a wide variety of industries and manufacturing environments use our versatile sensors to detect the presence or absence of an entire part or just a particular feature of that part.

Our measurement products are used to

determine the size or magnitude of a particular part or feature with unbeatable accuracy.

Our revolutionary digital microscopes provide unparalleled depth of field and near SEM resolution at a far lower cost.

Fibreoptic Sensors

Certainty and Simplicity

- Complete Setting in Just One Click
- Automatic Maintenance
- High Power Reduces Labour Hours
- Beam - 250x Conventional Model [World's Most Powerful]
- Detects Wire as Small as $\phi 0.6\mu\text{m}$ [World's Most Accurate]
- Ambient-Light Resistance: 30,000 Lux [World's Highest]



FS Series

Laser Displacement Sensor

High-Speed, High-Accuracy CMOS Laser Displacement Sensors

- Sampling Speed of 392 kHz [World's Fastest]
- Accuracy of $\pm 0.02\%$ [Industry Best]
- Resolution of $0.01\mu\text{m}$ [Best-in-Class]
- Multifunctional Controller with Simple, Menu-driven software
- Connect up to 12 Sensor Heads / Network Capable



LK Series

Image Dimension Measurement System

A Breakthrough in Dimensional Measurement

- Measure the Previously Unmeasurable
- Sub-Pixel Measurement Accuracy
- Instantaneous Batch Measurements at 99 Points
- Positioning is no Longer Necessary



IM Series

Digital Microscope

High resolution images, 3D profiles, and superior depth of field

- Real-time 2D/3D Image Stitching [World's First]
- 3D Display Function [Fastest in the Industry]
- Quick Depth Composition [Fastest in the Industry]
- Lighting Optimisation [First in the Industry]
- Contrast Optimisation [First in the Industry]
- High Dynamic Range Function (HDR)
- Automatic Lens/Magnification Recognition Function: DOUBLE'R [First in the Industry]

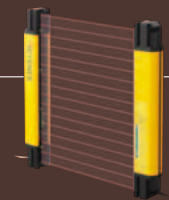


VHX Series

Safety Light Curtain

Heavy-duty, No Dead Zone

- Visible/Identifiable Indicator
- Edge-to-Edge Detection Zone
- State Information Output
- Tough, Water-Proof Model
- All-in-One - Built-in Controller



SL Series

Product Lines 02

Industry leading vision systems,
laser markers and barcode readers for
a wide range of industries.

Vision Systems, Laser Markers and Barcode Reader Products

Our industry leading vision systems enable our customers to accurately and instantaneously perform quality control inspections that are too complicated for ordinary sensors or previous vision systems.

KEYENCE laser markers are unmatched in their performance including the world's

first 3D laser marker. They use a high intensity laser to permanently and accurately mark shapes or characters onto surfaces such as metals or plastics at incredibly high speeds.

To scan/decode barcodes KEYENCE has developed the fastest digital barcode reader.

Machine Vision

Ultra-High-Speed, Multi-camera Universal Machine Vision System

- 11x High-Speed, 5 Million-Pixel Camera [Fastest in its Class]
- 3+1 Processor System: Ultra-High-Speed, Parallel Processing
- Multiple Camera Types
- Wide Array of Inspection Tools [Most Extensive in its Class]



CV Series

Laser Marker

High Speed 3-Axis Laser Markers

- Fibre, CO₂ and YVO₄ Laser Marker Types
- Ultra-Small Fanless Marking Head [World's Smallest]
- 3-Axis Laser Marking [World's First]
- 42-mm Variable Focal Length [World's First]
- Variable Spot Size [World's First]
- High-Speed 30 W Output [Best in its Class]



MD/ML Series

Barcode Reader

Ultra-Compact Digital Barcode Readers

- Decoding Speed (1300/sec) [Highest in its Class]
- Quick Calibration without a PC [World's First]
- Parallel digital processing [First in its Class]
- Noise and Compensation Functions
- High-Resolution and Long-Range Models



BL Series

Static Eliminator

High-speed/Wide area static eliminator

- 2x the elimination area as previous models
- 2x the elimination speed as previous models
- Automatic sensing and feedback functions using the I.C.C. method
- Connect 5 blowers to a single controller [World's First]



SJ Series

PLC

Ultra-high Speed Network Enabled

- Network: Built-in Ethernet/FL-net Function
- Ultra-high Speed: KV VELOCE (II) Execution Engine Enables 60k-step Ladder Execution in 1ms.
- Memory: Large Capacity SDRAM
- KV Script: Program Formulas or Characters Strings Directly



KV Series

A man in a dark grey suit, white shirt, and dark patterned tie is smiling and shaking hands across a glass table. His left hand is resting on a clipboard with papers. The background is a bright, out-of-focus office interior with large windows and greenery.

Sales Consulting

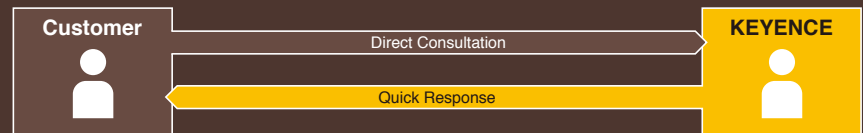
Working directly with our customers allows KEYENCE to know our customers and the industries better than our competitors.

Dedicated to Adding Value for Our Customers

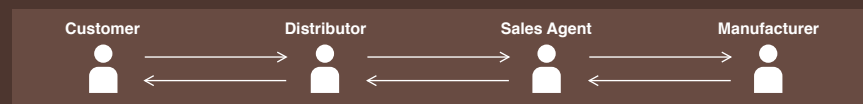
Direct Approach

Our technically trained sales engineers have extensive product knowledge along with application and industry experience. Customers can expect on-site support to quickly solve applications saving invaluable time.

KEYENCE Direct Sales System



Conventional Sales Style



Fast Delivery

KEYENCE has established a fast delivery system to deliver required products whenever necessary. Products are shipped from warehouse centres in Japan, Singapore, Malaysia, India, Thailand, China, Taiwan, South Korea, U.S., Mexico, Canada, Brazil, the U.K., Germany, France, Belgium and Italy as well as many other locations worldwide.



Comprehensive Support

KEYENCE supports customers with extensive on-site manufacturing and automation knowledge. This includes comprehensive support from model selection to line operation with on-site operating instructions and precautions after product adoption.



NORTH AMERICA



Global Reach

Companies throughout the world have come to rely upon KEYENCE to keep them competitive in the global marketplace.



EUROPE



44+
countries
200+
offices

ASIA



Global Support : Over 200 Offices in more than 44 Countries

In the over 40 years since its inception in Japan in 1974 the KEYENCE Corporation has flourished into a global leader in industrial automation technologies, rapidly expanding into an efficient global



network of 17 international organisations with over 200 offices in more than 44 countries.

Worldwide companies ranging from the largest Fortune 500 manufacturers to niche suppliers have come to rely upon KEYENCE to offer solutions that improve the quality and efficiency of their automated manufacturing.

KEYENCE offers the many benefits of our Direct Sales network throughout the world. Our highly trained personnel can benefit your factories or support your arriving equipment in worldwide locations.

By offering the most innovative solutions, KEYENCE provides the tools manufac-



turers need to stay competitive in the global marketplace.

Ready to Provide Solutions Worldwide:

Providing innovative solutions and services for such companies as:

3M, Airbus, Apple, Applied Materials, AUO, BASF, Bayer, BMW, Boeing, Bosch, Bridgestone, BYD, Canon, Caterpillar, CMO, Continental AG, Corning, Cray, DAIMLER, Denso, du Pont, Dunlop, Energizer, Ericsson, Exxon Mobil, Fiat, Ford, Foxconn, GE, General Dynamics, Gillette, GM, Goodyear, Hitachi, Honda, Honeywell, Hyundai, IBM, Intel, Johnson & Johnson, Kraft Foods, LG Electronics, Michelin, Mitsubishi, Motorola, NEC, Nissan, P&G, Panasonic, Peugeot, Pfizer, Philips, Pirelli, Porsche, Q-Cells, Renault, Saab, Samsung, Sharp, Siemens, Singer, Sony, Suntech, Toshiba, Toyota, Unilever, United Technologies, Volkswagen, Westinghouse, YKK
– and many more throughout the world.

Some R&D institutes/universities:

AIST(Advanced Industrial Science and Technology), Fraunhofer Institute, Goethe University Frankfurt, Japan Aerospace Exploration Agency, Kyoto University, Lawrence Livermore National Laboratory, Max Planck Institute, MIT Lincoln Laboratory, NASA, Oak Ridge National Laboratory, RIKEN, Texas A&M, Tokyo University, University Berlin, University Munich, University Stuttgart, Yale





Corporate Information

Worldwide KEYENCE Consistently ranks among the top companies in sales, performance and results.

Company Data

Facts

Global Headquarters: Osaka, Japan
 Founded: May 1974
 Capital: \$300,362,000 USD
 2013 Global Sales: \$2,598,137,000 USD
 Worldwide Employees: 4,000

Note: Dollar amounts are translated from Japanese yen, for convenience only, at ¥102 = US\$1, the approximate exchange rate on March 20, 2014.

An Exceptional Company

KEYENCE has been recognised by many prominent organisations. Most recently, we were ranked 17th on Forbes' "World's Most Innovate Companies" list. We have also been named one of Business Week's "1000 Best Valued Companies," and are consistently ranked ahead of companies like Sony and Honda Motors in Japan's Nikkei newspaper's annual ranking of the "Top Ten Excellent Companies in Japan."

Forbes' World's Most Innovate Companies

1	Salesforce.com
2	Amazon.com
3	Intuitive Surgica
4	Tencent Holdings
5	Apple
⋮	⋮
7	Google
⋮	⋮
17	KEYENCE
18	FMC Technologies
19	Starbucks
20	Nintendo
⋮	⋮

As of 2011

Newsweek Electronics Industry Ranking

1	IBM	⋮	⋮
2	HP	16	Xerox
3	CANON INC.	⋮	⋮
4	Panasonic	26	Seagate
5	Apple INC.	⋮	⋮
6	ABB	39	KEYENCE
7	DELL	⋮	⋮
8	Schneider Electric	42	Rockwell Automation
9	Emerson Electric	43	Cooper Industries
10	Sony	⋮	⋮

CLEAN Energy Policy

KEYENCE recognises that protecting our environment is of paramount importance to the whole planet. We strive to make our contribution to the protection and improvement of the global environment through our value added solutions which enable a wide range of industries to produce goods efficiently with little waste and minimise the impact to the environment.

History

1974	Incorporated as Lead Electric Co., Ltd.
1975	Developed high accuracy proximity sensor
1983	Developed optical fibre photoelectric sensor
1986	Developed the first photoelectric sensor to utilise a laser diode as the light source
1986	Renamed KEYENCE Corporation, from "KEY of sciENCE"
1989	Developed ultra compact barcode reader
1990	Developed microscope with built-in monitor
1995	Developed world's smallest machine vision system
1999	Developed world's first auto focus colour laser microscope
2000	Developed world's first digital focus on a microscope
2002	Developed high speed/high accuracy machine vision system
2004	Developed industry fastest application PLC
2005	Developed next generation 3D real surface digital microscope
2006	Developed world's first 3D laser marker
2007	Developed world's first CMOS laser sensor
2008	Developed industry's first microscope with high-speed magnified video capture capabilities.
2009	Developed high power fibre laser marker with the world's smallest head size Developed world's first ø2 mm micro-head Spectral-Interference Laser Displacement Meter Developed new high speed, accurate image dimension measurement system
2010	Developed Ultra-high speed and high capacity multi-camera image processing system.
2011	Developed Rapid set-up vision sensor
2012	Developed auto-teaching machine vision system
2013	Developed world's fastest 2D/3D laser scanner with 64,000 profiles/sec sampling

RoHS

Since April 2005 KEYENCE has been progressively eliminating hazardous substances from our products and implementing the switch to RoHS compliant products.

WEEE

KEYENCE's recycling scheme is based on the WEEE directive.



www.keyence.com

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For other countries, please visit: www.keyence.com