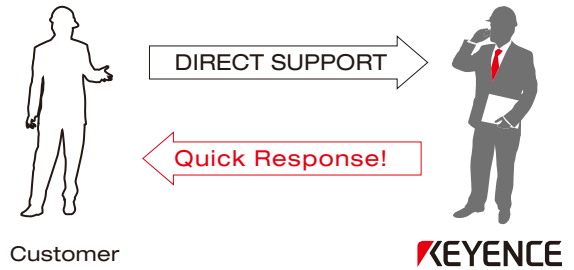


KEYENCE VALUE

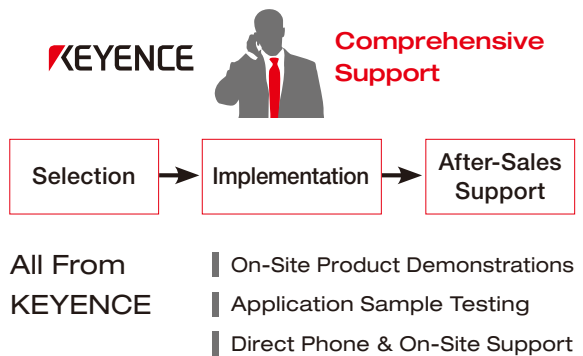
Since 1974, KEYENCE has steadily grown and innovated to become a world leader in the development of automation and quality assurance solutions

Direct Sales Network



- Your Sales Engineer
- | Local
 - | Specialized Product Expert
 - | KEYENCE Direct

Direct Support



Same-Day Shipping



Products ordered by 4:00 PM CST are shipped from our warehouse center in Chicago the same day!



Innovative Products



Artificial Intelligence for All Industries

Artificially Intelligent Business Analyst

- Ask simple business questions such as “how do I increase sales?” or “how do I reduce turnover?”

Capable of Analyzing Any Numeric Data Source

- From machine data, payroll, Salesforce and Excel to CRM/ERP systems and more

Presence Sensors



All-Purpose Sensors

- | Best Detection Ability in its Class
- | Durable & Long Life
- | Simplified Operation

The LR-Z Series has become the standard for both machine builders and product manufacturers. This sensor series quickly solves any application with its long range and ability to detect shiny targets, dark targets, transparent targets, and everything in between.

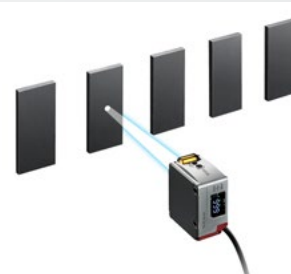
Laser Sensors

The LR-T Series offers unmatched versatility with its laser light source, long range detection, all-in-one design, and OLED display.



Color/Finish Sensors

Color, surface finish, and countless other appearance changes can be stably detected with the innovative LR-W Series.



Fiber Optic Sensors

The FS-N40 Series boasts an easy-to-use amplifier and an extensive catalog of fiber optic heads to solve any application.



Photoelectric Sensors

The PR Series offers a variety of durable metal sensors from miniature background suppression sensors to long distance thru-beams.



Process Monitoring

Flow Meters

- | Clamp-On Flow Meters
- | Monitor Liquids, Gases, or Compressed Air
- | Compatible with Various Pipe Materials

KEYENCE offers a wide range of flow meters/sensors to fit any need. From low flow or air leakage monitoring, all the way up to monitoring compressed air or liquid flow on an 8" pipe, the FD Series provides effortless integration with its zero pipe modification clamp-on units.



Pressure Sensors

- | Measure Both Gas and Liquid Pressure
- | Self-Contained and Separate Amplifier Models
- | Highly-Visible Displays



Level Sensors

- | Unaffected by Foam, Vapor, Build-Up, etc.
- | Standard, Sanitary, and Chemical Resistant Models
- | Sensing Guide-Pulse Technology



Machine Guarding



Safety Laser Scanners

- | Impressive Range of 8.4 m (27.56')
- | Easy-To-Use Software
- | Built-In Camera

The SZ-V Series is the industry's leading safety laser scanner with its impressive range, detachable display, built-in camera, and network compatibility. This flexible safety solution makes machine guarding easier than ever before.

Safety Light Curtains

- | Built-In Guarding
- | Quick and Easy Alignment
- | Simplified Wiring Options



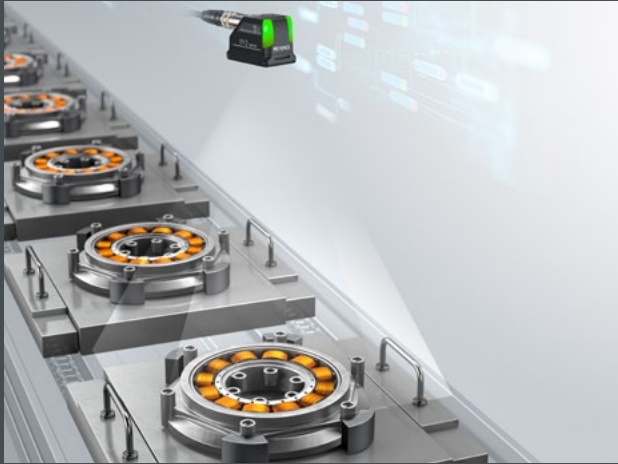
Safety Door Interlocks

- | Locking and Non-Contact Models
- | Compact yet Robust Construction
- | Reliable and Consistent Alignment



Pass/Fail Inspections

Vision Sensors



Eliminate false detections due to external factors like oil stains, ambient lighting, and more.



Ignore oil on part

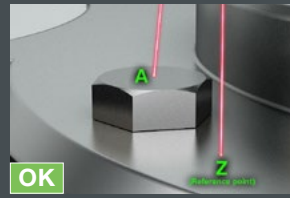


Ignore glare or lighting changes

Image-Based Laser Sensors

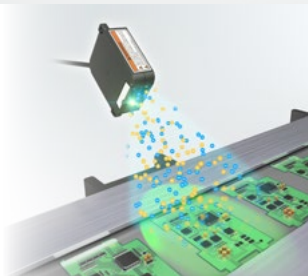


Determine correct target height and seating even if your product rotates, tilts, or has low contrast.



Static Eliminators

Eliminate problems such as particle adhesion, electrostatic discharge, and operators receiving shocks. Automatic setup with clear visual indication of static elimination.



Laser Position Sensors

Confirm and measure position, regardless of the target's color or finish.



Contact Sensors

Rugged contact probes that last over 200 million cycles in tough environments.

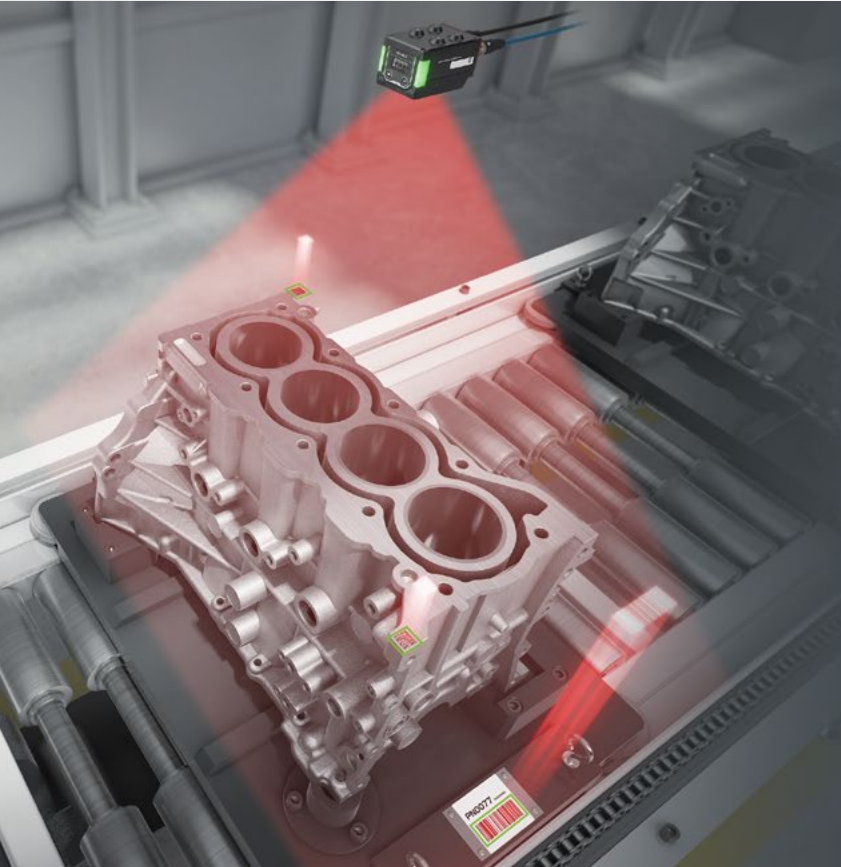


Pattern-Matching Sensors

Area-based presence/absence and pattern matching with a visual display.



Code Readers



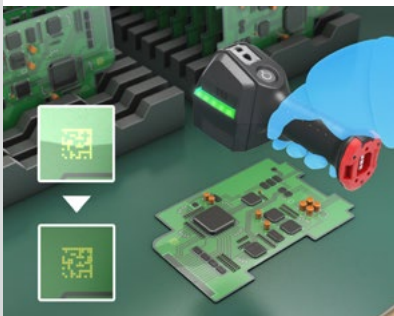
1D/2D Code Readers

- | Industry-Leading Barcode Reading Performance
- | Traceability Solutions for Every Industry
- | Simple and Intuitive Setup

KEYENCE is dedicated to providing solutions for product traceability and management. A full line of 1D and 2D code readers, along with dedicated control and communication devices, ensure complete and reliable solutions for every industry.

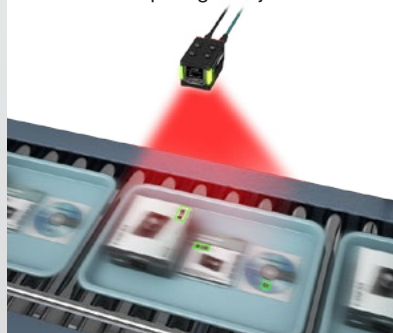
Handheld

Challenges with conventional handheld code readers, such as difficult setup and slow, unstable operation are overcome by the SR-G100 Series's innovative design and decoding engine. Activating automatic setup ensures that even challenging direct part marked codes are read quickly and reliably.



Fixed Mount

With just the push of a button, SR Series code readers automatically find the optimal focus, lighting, and decoding parameters to ensure stable operation on even the most difficult codes. Easily reads codes at high speeds, long ranges, and varying heights without requiring readjustment.



Mobile Computer

The BT-A Series is the newest product in the line-up, offering instant reading of near and far codes, now available on the Android™ operating system. The BT-A Series of handheld mobile computer has a unique one-handed design, making it the ultimate device for improving work efficiency.



Laser Markers / Industrial Inkjet Printers

Laser Markers

- Fiber, Hybrid, UV, Green, and CO₂ models
- Built-in Multi-function Camera
- Maintenance-free
- Up to 4x's the Normal Expected Laser Life

KEYENCE's wide range of laser markers were designed with the needs of all marking applications in mind. With features such as 3-axis technology, IP rated marking heads, and built-in code readers, KEYENCE can provide the optimal marking solution.

Common Applications



Automotive Parts



PC Boards



Instrument Switch Panels



Medical Devices



Industrial Inkjet Printers

- World's First Self-Cleaning Print Head
- Easy-To-Use Touchscreen Interface
- User-Performed Guided Maintenance
- Field-Replaceable Parts

KEYENCE's industrial inkjet printers are used to print date codes, lot codes, serial numbers, and more on products and packaging. The easy-to-use interface and guided troubleshooting features make it easy for anyone to operate.

Common Applications



Food and Beverages



Cartons



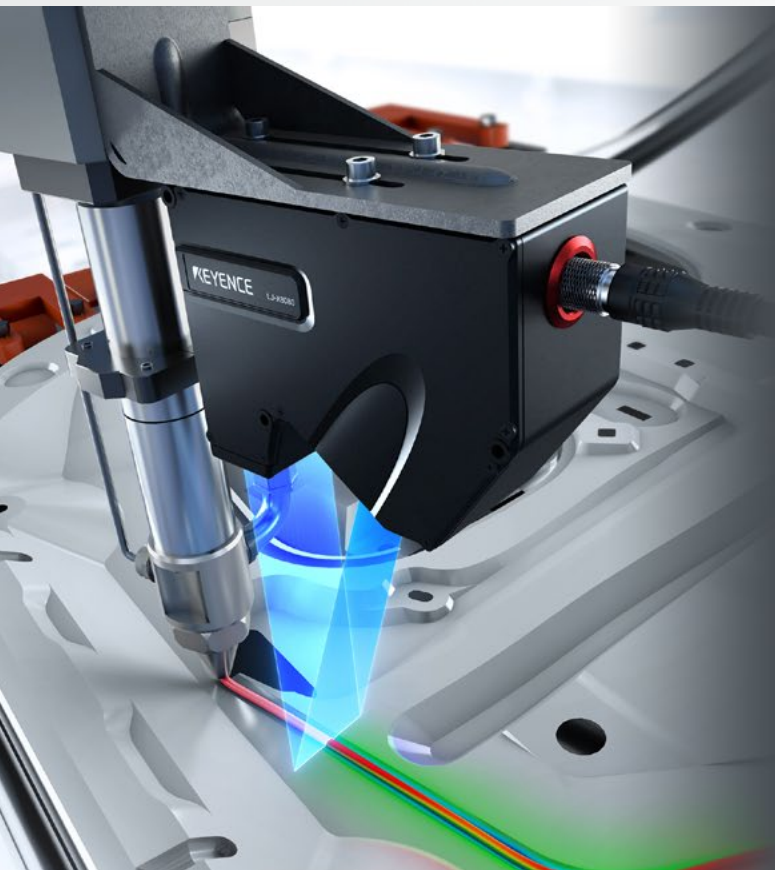
Automotive Parts



Wire and Cable



Measurement Sensors



2D & 3D Laser Profilers

- | Measure
- | Inspect
- | Detect

2D/3D laser profilers provide a versatile solution for measurement and inspection of any material. These non-contact sensors are fast enough for inline use, and accurate enough for quality control.

Common Applications



2D measurement



2D inspection

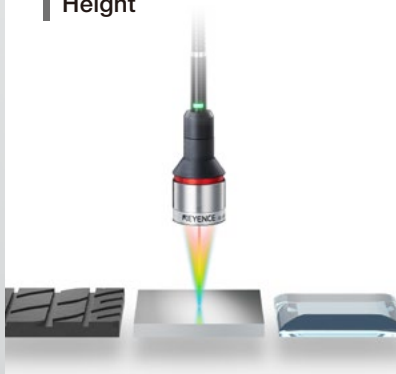


3D inspection

Displacement Sensors

A complete lineup of confocal and triangulation sensors to fit any specification.

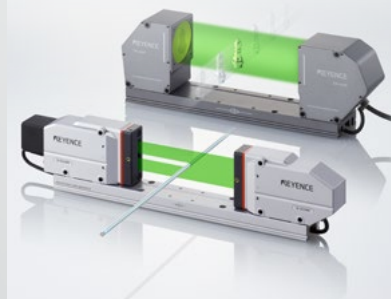
- | Position
- | Thickness
- | Height



Optical Micrometers

1D and 2D micrometers to accurately measure any object within the beam.

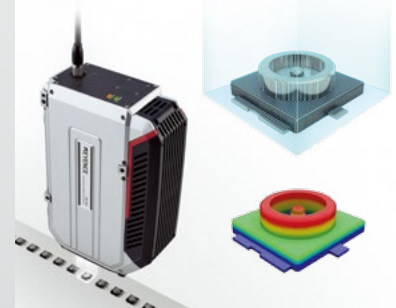
- | Diameter
- | Runout
- | Gap



Interferometers

Realtime 3D measurements of small features for both inline and offline use.

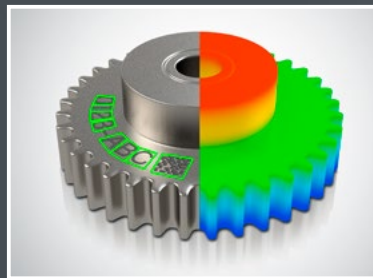
- | Flatness
- | Coplanarity
- | Volume



Machine Vision Systems

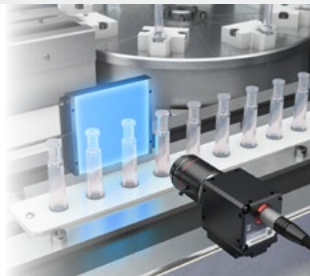
World's Most Complete Vision Lineup

- High-speed, multi-camera system
- Resolution to find small defects and cover large areas
- Small cameras to fit in any manufacturing process
- 2D and 3D inspection capability



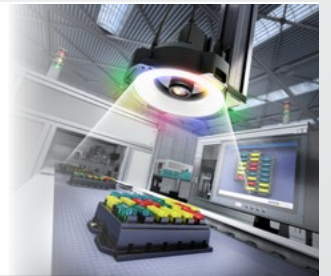
Standard Vision Applications

Automate everyday inspection using established technology



Advanced Vision Applications

Solve challenging applications using state-of-the-art imaging technology



Line Scan Technology

Ultra-high resolution cameras for large part, web, and continuous inspections



Vision Guided Robotics

Add machine vision to your robot for pick, place, and inspection applications



Microscopes / 3D Surface Metrology



Digital Microscope

- | Large Depth-of-field
- | 0.1x - 6000x Magnification Range
- | Multi-angle Observation

The VHX Series is a 4K microscope that provides the highest level of image clarity and flexibility due to its advanced imaging and measurement capabilities. Users can effortlessly capture fully-focused images from any angle and streamline communication with the system.

3D Laser Scanning Confocal Microscope

The VK Series measures profile, roughness, and film thickness from nanometers to millimeters, on any material or shape, with just the click of a button.



Wide-Area 3D Measurement System

The VR Series is a non-contact 3D system that measures form, contour, and flatness in as little as 1 second.



Fluorescence Microscope

The BZ Series is an automated life science microscope capable of high-resolution imaging, live cell incubation, well plate screening, and quantification with a single platform.



Measurement Systems

Instant Measurement

- | Fast
- | Accurate
- | Easy-to-use

The Instant Measurement System is the next generation, automated optical comparator capable of measuring hundreds of critical part dimensions in seconds. The unit automatically generates inspection reports that allow you to monitor and react to your quality process in real-time. With built in, easy-to-use software, anyone, anywhere in your facility is capable of achieving accurate, repeatable measurement results.



Handheld CMM

- | Simple, image-guided operation with automatic reports
- | Accurate 3D/GD&T measurement
- | Compare directly to CAD models

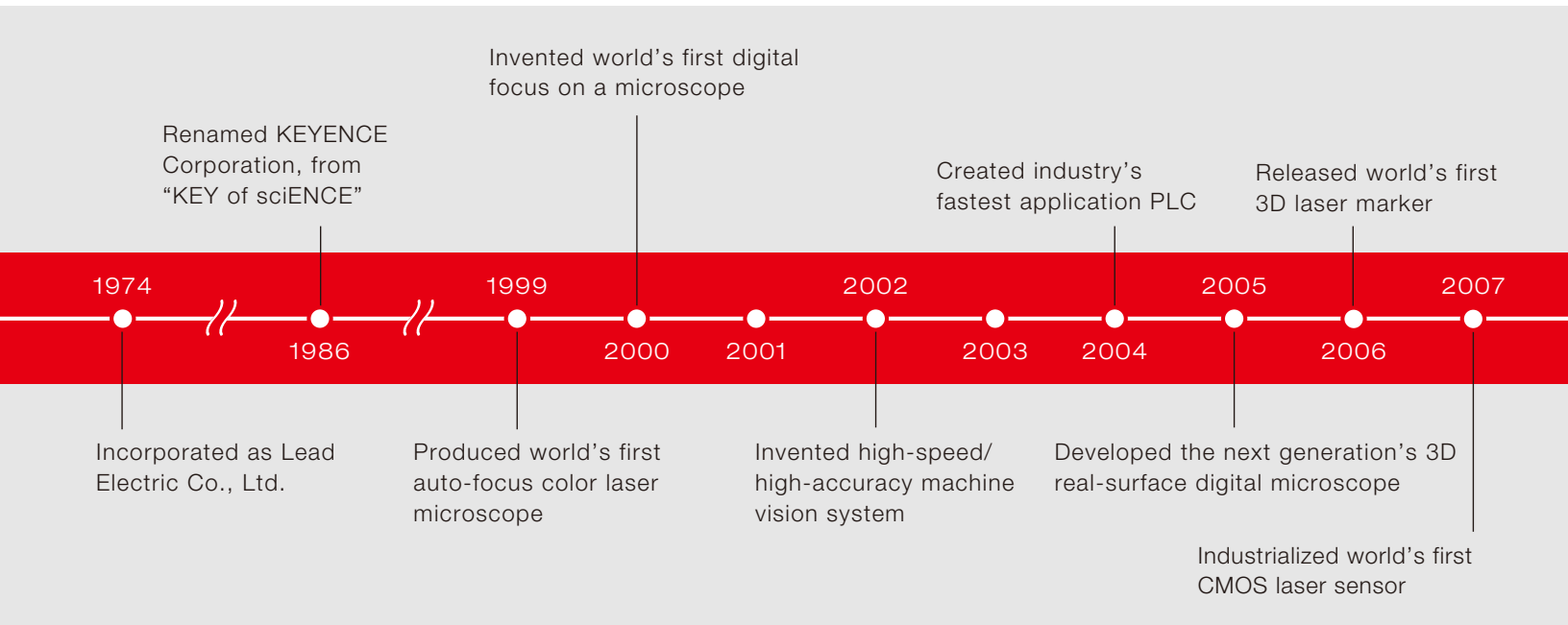
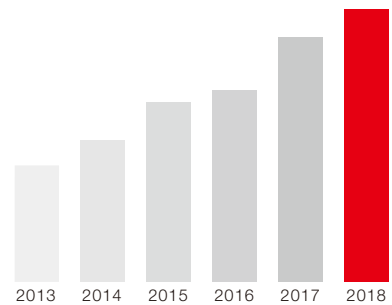
Bridging the gap between hand tools and CMMs, the XM Series is a portable coordinate measuring machine designed to allow anyone to easily and accurately measure 3D and GD&T features anywhere, including the shop floor.



Corporate Information

Global Headquarters: Osaka, Japan
 Founded: May 1974
 Capital: 273,549,000 USD
 2018 Global Sales: 5,241,928,000 USD
 Worldwide Employees: 7,941

Note: US dollar amounts are converted from Japanese yen for convenience only at 112 JPY = 1 USD, the approximate exchange rate on March 20, 2019.



Global Network

210 Offices
in
46 Countries

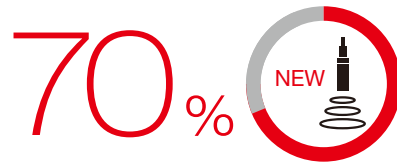


250,000+ Clients

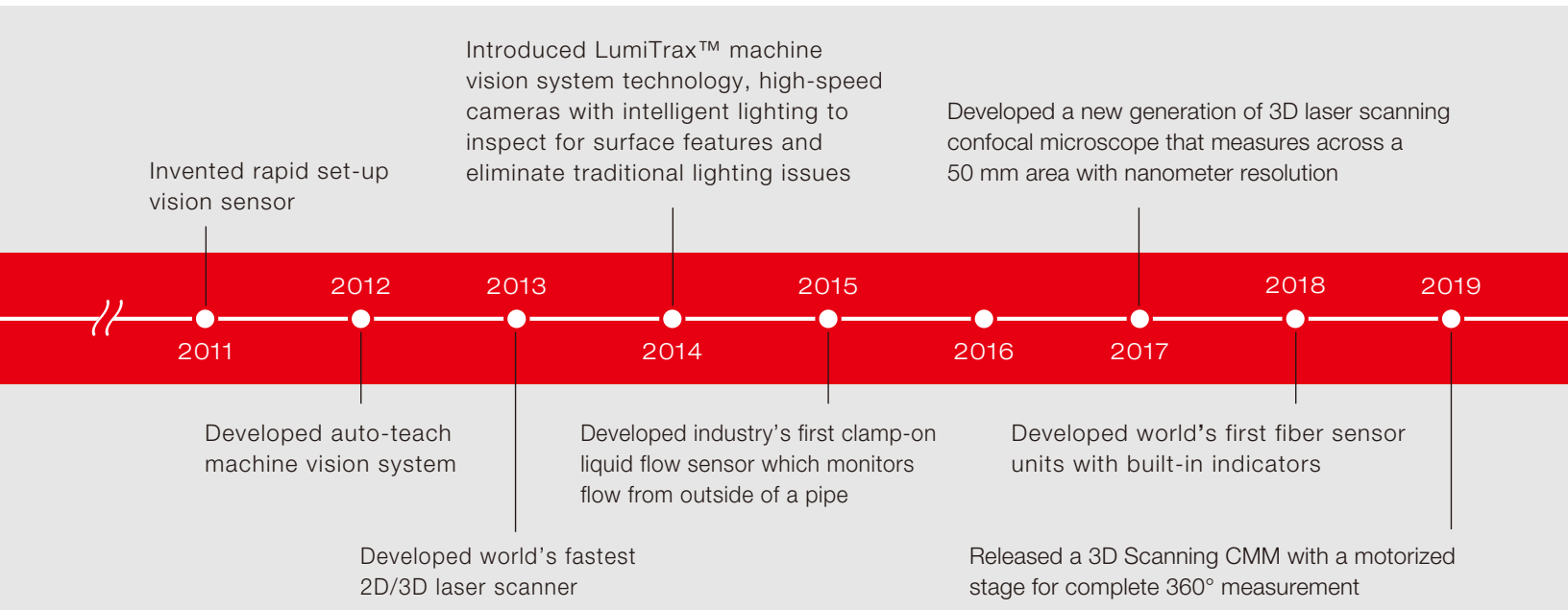


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The World's Most Innovative Companies **Top 100** - Forbes



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SAFETY INFORMATION
 Please read the instruction manual carefully in order to safely operate any KEYENCE product.

CONTACT YOUR NEAREST OFFICE FOR RELEASE STATUS

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