Corporate Brochure
No matter how your quality assurance demands increase, we will be a dependable partner, bringing peace of mind to every aspect of your production.

Over the years, we’ve built world-leading technological ability and global expertise in stringent QA fields such as food and medicine.

We never stop improving. We work continuously with you to develop even better inspection technologies, optimize performance, and deliver new value throughout the production process.

We will be by your side, from the first step to the completion of your manufacturing chain.

Together, we can realize the true potential of QA for everyone

**ANRITSU INFIVIS**

**Initiatives to Tackle New Challenges**

**Challenge 1**  
**Improving Inspection Sensitivity with Artificial Intelligence**

One example is detecting insects in food using transmission X-ray imaging. Although humans can intuitively spot shapes that look like insects, it is surprisingly difficult for machines to do the same. Our challenge is to dramatically improve inspection sensitivity by advancing research into next-generation inspection technologies using artificial intelligence.

**Challenge 2**  
**Overall Quality Assurance System Using Big Data**

Inspection and production data from production lines can contain hints for calibration of manufacturing equipment, the yields of which vary subtly in response to daily changes in temperature and humidity. Our challenge is to create an overall quality assurance system that uses big data to both improve yields and ensure quality at high levels.

**Challenge 3**  
**Extending Scope of Inspection**

We have innovated in the space of signal processing and sensing technologies for over half a century. Even so, automation is still no match for visual inspection by humans in some areas. Our challenge is to continue to research a wide range of electromagnetic wavelengths, develop new sensing technologies, and create inspection equipment that equals or exceeds the performance of visual inspection, in order to help reduce human labor.
Anritsu Infivis offers production quality assurance (PQA) solutions.

The quality assurance solutions offered by Anritsu Infivis do not stop at quality checking, such as various types of inspection equipment on production lines. Anritsu Infivis offers total quality assurance solutions that include maintenance and management of equipment necessary for our customers to assure shipment quality, and support for such activities as building and improving quality assurance processes.

Business Fields

Anritsu Infivis offers inspection equipment, inspection systems, and other products and solutions that function on manufacturing lines, with a focus on food and pharmaceuticals. Most processed products sold in convenience stores, supermarkets, and other retail stores are inspected during the weighing, packaging, packing, and other manufacturing processes. The inspection includes checking the weight of packaged contents, detecting contaminants, and checking the packages.

Anritsu Infivis’ products and solutions work behind the scenes of our daily lives to help ensure the safety and security of food and pharmaceutical products.

Contaminant inspection: Metal detection, Hard contaminant detection, Soft contaminant detection
Content check: Missing or extra contents, Shape irregularities
Package check: Defective seals, Defective printing
Weight inspection: Quantitative check, Automatic grading
Weighing: High-speed automated weighing
Production and quality management: Centralized control, Monitoring, Statistical analysis, Traceability

We tackle our customers’ complex and diverse challenges.

The sizes of markets and the level of quality demanded in the food and pharmaceutical fields are growing at an accelerating pace. Consequently, our customers’ challenges are also becoming more diverse and complex. We have grown together with our customers by tackling these challenges through continual technical innovation. We will continue to take on new challenges, and break down the barriers of paradigms and limitations, to be our customers’ quality-assurance partner.

Masumi Niimi, President
Challenge means exceeding limitations.

The scale is a symbol of Anritsu Infivis’ originality; something not possible without the proper hardware, software, manufacturing technology, and worksite know-how. In order to enable rapid weighing with milligram precision, we have continued to advance through continual precise designs and elaborate simulations, and repeated experiments and validation. Suppressing vibration noise and improving responsiveness. Thermal expansion of internal mechanical parts.
We don’t ask why it is impossible; we ask how to make it possible.

Anritsu Infivis has an integrated system that performs everything from development to manufacture and sale in-house. To serve our customers, we immediately gather all departments, and work as a team to resolve issues. We continue to have passionate discussions within the company; we believe that by identifying the essence of an issue through a multifaceted perspective, we can break through barriers that cannot be overcome by marketing, design, development, or manufacturing individually.

Passions leading a big innovation

When X-ray inspection systems first appeared, they had numerous issues, including the size of the body, operating costs, and limitations on operating environment. We gather feedback directly from our customers. We go to customers’ worksites to understand the issues ourselves. We keep trying until we can resolve the issues. These day-by-day incremental improvements lead to major innovations; Anritsu Infivis' X-ray inspection systems can not only detect contaminants, but have evolved to the pinnacle of inspection systems, with the capability to check for defects in shape, count, and packaging as well.
We leverage our strength as a company that performs development and manufacturing in-house. As a company that performs development and manufacturing in-house, and has over a half-century’s experience at production sites, we are confident in our product support. We are committed to delivering our expertise in a more rapid and practical way. To this end, we are focused on enhancing our support system.

Support service

Globalization

We operate globally in coordination with locals.

One of our strengths is flexible support tailored to our customers’ needs.

We coordinate closely with our globally located development sites, manufacturing sites, and sales agents, creating the best solutions for our customers.

Speedy and Practically

Anritsu Infvis performs all stages from development to manufacture in-house. This gives us intimate knowledge of our products’ unique characteristics. We are extending our support readiness globally in order to leverage this know-how in our customer support. We have a 24-hour call center in Japan, which is greatly appreciated by customers that continue production on weekends, holidays, and through the night.

We offer a sample testing service before a customer purchases our inspection system. Customers can use a product sample to confirm the actual inspection sensitivity they can obtain.

We offer technical seminars tailored to our customers’ needs. We conduct lectures on such topics as the operating principles and usage of our products, and quality management.

Global Supply Chain Management

We are strengthening our supply chain with overseas subsidiaries and affiliates in order to offer flexible and speedy support to customers operating globally. This enables us to deliver products with the specifications our customers require by their desired delivery date.

Our Thailand plant is our main plant for Metal Detectors. It supplies products and units in Thailand and worldwide. In addition to Metal Detectors, it also supports products specific to the ASEAN region.

Our China plant is mainly responsible for the manufacture of Checkweighers and Metal Detectors for China. It delivers products in accordance with customer requirements from nearby locations.

Earnestness

Co-creation
It started with signal processing innovation.

In the early 1960s, a high-sensitivity displacement sensor that came out of development of measuring instruments gave rise to the first Checkweigher.

Since then, Anritsu has a more than half-century history of creating high-level technologies and products with originality, and sharing and realizing its vision together with its customers.

Anritsu’s Checkweigher was born not long after the advent of tabletop electronic calculators. The Checkweigher is based on the “electronic micrometer” that measures displacement electrically at the micrometer scale. Then Anritsu came up with an innovation: Leveraging the high-speed reaction of the electronic micrometer, it boasted the capability to sort 600 capsules per minute with an accuracy of ±0.2 mg.

The Checkweigher K501A (1964)

Around the time Japan entered its period of high economic growth, packaged foods became popular, and strict labeling requirements for weight followed reforms to weighing methods. Against this historical backdrop, our Checkweighers, which could rapidly determine weight and perform weight check in-line, gained such additional features as food equipment in the production line, production analysis, and remote control. In the 2010s, it gained additional features as food inspection line from that time.

Checkweigher K515 (1970)

Anritsu achieved high-performance and lower prices through a complete redesign and creation of high-efficiency model variations that matched market needs. Adoption of Checkweighers grew, and the automation of production lines accelerated. This series of Checkweighers was specially designed for capsule pharmaceuticals, which require strict weight control. It boasted the capability to sort 600 capsules per minute with an accuracy of ±0.2 mg.

The rise of social media has ushered in a new era where a single food incident can destroy a brand. Food makers are under pressure to create stricter quality assurance, including measures against malicious adding of contaminants. With recent rising global interest in sustainability, reducing food loss is gaining attention as a new challenge.

The electronic micrometer was the source of our Checkweighers. As symbolized by this product, which measures displacement electrically, electronics are in Anritsu’s DNA.

Overall Quality Management and Control System QCUCC (2001)

This system greatly extends the concept of conventional systems that record and manage quality data. It supports a wide range of features, including continuous monitoring of the operational status of equipment in the production line, production analysis, and remote control. In the 2010s, it gained such additional features as food defense via a monitoring camera, and production performance analysis and diagnostic, evolving into a tool that supports our customers’ entire production processes.

Meeting Needs with High-level Issue Resolution

Checkweigher B Series (1970)

Anritsu achieved both high performance and lower prices through a complete redesign and creation of high-efficiency model variations that matched market needs. Adoption of Checkweighers grew, and the automation of production lines accelerated. This series of Checkweighers was specially designed for capsule pharmaceuticals, which require strict weight control. It boasted the capability to sort 600 capsules per minute with an accuracy of ±0.2 mg.

Metal Detector KD80 Series (1991)

This product was the first in the world to be equipped with an “auto-setting” feature, which automated the phase adjustment work that had been dependent on the intuition and experience of experts. Our independently developed sensor achieved high sensitivity and stability, and features such as water resistance and one-touch operation. In that role, they were considered the de-facto standard of the time.


This was Anritsu’s first X-ray inspection system, and was developed in-house. In that time, X-ray inspection systems were large and expensive. This product was compact and nearly half the price, contributing to the wider adoption of X-ray inspection systems.

Innovation in Sensing

In the mid-1970s, the Di Cesti, caused by overproduction and rising energy prices, threw the global economy into turmoil. Meanwhile, Anritsu continued to globalize, increasing its presence in Europe, the Americas, Asia, and elsewhere. The photo shows a Checkweigher with both Metal Detector delivered to a food company in France.

In the 1990s, as people’s lives became enriched by the spread of mobile phones and other devices, safety became more health conscious, and demands for food safety became stronger.

Quality control became stricter, including the advent of the EU legislation in Europe and the enactment of the Product Liability Act in Japan.
## Service Network

**Europe**
- **ANRITSU INFIVIS LTD.**
  - Luton, United Kingdom
- Austria
- Belgium
- Croatia
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Italy
- Latvia
- Lithuania
- Luxembourg
- Netherlands
- Norway
- Poland
- Portugal
- Russia
- Slovak Republic
- Spain
- Sweden
- Switzerland
- United Kingdom

**Middle East and Africa**
- U.A.E.
- Saudi Arabia
- South Africa
- Turkey

**Asia and Oceania**
- Anritsu Industrial Solutions (Shanghai) Co., Ltd.
  - Shanghai, P.R. China
- **ANRITSU INFIVIS (THAILAND) CO., LTD.**
  - Chonburi, Thailand
- **ANRITSU INFIVIS INC.**
  - Illinois, U.S.A.
  - Argentine
  - Bolivia
  - Brazil
  - Canada
  - Chile
  - Costa Rica
  - Mexico
  - Panama
  - Peru
  - United States
  - Uruguay

**Americas**
- Australia
- Bangladesh
- China
- Fiji
- Hong Kong
- India
- Indonesia
- Malaysia
- Myanmar
- New Zealand
- Papua New Guinea
- Philippines
- Singapore
- South Korea
- Sri Lanka
- Taiwan
- Thailand
- Vietnam

### Head office
**ANRITSU INFIVIS CO., LTD.**
Address: 5-1-1 Onna, Atsugi-shi, Kanagawa-Prf., 243-0032 Japan
TEL: +81 46 296 6699  FAX: +81 46 296 6786

*(as of April 31, 2018)*