

Elevating Safety Standards: CHAOQIANG's Comprehensive High Quality Food X Ray Inspection Machine Solution

DONGGUAN, GUANGDONG, CHINA,
December 9, 2025 /EINPresswire.com/

-- Since its founding in 2011, [CHAOQIANG](#), a leading technology-based enterprise based in Dongguan City, Guangdong Province, has established itself as a comprehensive provider of food safety and quality-control equipment. Leveraging a fully integrated model of design, production, sales, and service, CHAOQIANG specializes in manufacturing metal detectors, checkweighers, metal separators, X-ray machines, needle detectors, and other security/inspection gear — all widely used in the food, textile, pharmaceutical, plastics, and related industries. With an annual production capacity reaching 10,000 units, CHAOQIANG has become one of China's most recognized manufacturers in its field. Our commitment to "quality of products as the guide, customer-centric" underpins our mission to supply clients worldwide with cutting-edge, dependable inspection solutions.

In particular, CHAOQIANG is proud to introduce its [High Quality Food X Ray Inspection Machine Solution](#) — a robust, high-performance offering designed to meet the rising global demand for food safety, contaminant detection, and regulatory compliance.



Industry Outlook — Why Now Is the Time for Advanced Food Inspection Equipment

The global market for food inspection devices is growing rapidly. According to recent industry analyses, the overall food inspection devices market is projected to rise from approximately USD 4.97 billion in 2025 to USD 8.92 billion by 2035, representing a compound annual growth rate (CAGR) of about 6.0%.

Within this broader market, the segment dedicated specifically to X-ray food inspection equipment is also seeing strong expansion. One market forecast estimates that the global Food X-Ray Inspection Equipment market — valued at around USD 656.6 million in 2024 — will grow steadily to about USD 1.2 billion by 2035, at a CAGR of roughly 5.6%. Another assessment sees the X-ray food inspection machine market rising from USD 846.3 million in 2025 to USD 1.5 billion by 2035.

This demand surge is driven by several converging factors:

- Growing consumer awareness about food safety and demand for transparency in food supply chains. Modern consumers increasingly expect rigorous safety checks to ensure food is free from contaminants such as metal, glass, stone, bone fragments, or dense plastic.
- Tightening regulatory standards globally. Governments and regulatory bodies worldwide are raising the bar on food safety requirements, compelling food producers, processors, and packers to adopt advanced and automated inspection systems.
- Expansion of food processing and packaged food industries, especially in emerging markets across Asia-Pacific, where industrialization, urbanization, and demand for ready-to-eat and processed food are rapidly increasing.
- Technological advancements in inspection systems, including high-resolution X-ray imaging, automation, and the integration of AI or machine-learning-based detection — boosting inspection speed, accuracy, and reducing false positives or human error.

Taken together, these trends underline a strong, long-term market opportunity for suppliers of advanced food inspection equipment — especially for firms capable of delivering reliable, high-quality X-ray inspection systems that meet modern safety, regulatory, and production-efficiency needs.

CHAOQIANG's Core Strengths and Competitive Advantages

Against this backdrop, CHAOQIANG stands out thanks to multiple strengths:

- Integrated in-house capability: From design to manufacturing to service — CHAOQIANG controls the entire value chain. This ensures consistent quality, faster lead times, and greater flexibility for clients (including OEM and ODM orders).
- High production capacity: With an annual capacity of up to 10,000 units, CHAOQIANG can support large-scale orders for food processing enterprises, major manufacturers, and international exporters.
- Rigorous quality control: The company operates under strictly standardized production management, having passed both European CE certification and ISO 9001 certification. This dual certification underlines CHAOQIANG's commitment to quality assurance, production efficiency, and reliable batch-to-batch consistency.
- Diverse product portfolio: Beyond X-ray machines, CHAOQIANG provides metal detectors, checkweighers, metal separators, needle detectors, and other security/inspection devices —

enabling clients to assemble a comprehensive inspection solution tailored to their production lines.

-Global reach and export experience: CHAOQIANG's products are already sold across Asia, Europe, Africa, North America, and South America. This global footprint speaks to the company's reliability, adaptability to diverse regulatory regimes, and proven track record with international clients.

[-Customer-centric service and technical expertise](#): With a team dedicated to technological innovation and continuous improvement, CHAOQIANG emphasizes customer needs and after-sale support — ensuring clients often view the company as a partner rather than just a supplier.

Product Applications & Use-Case Scenarios

The High Quality Food X Ray Inspection Machine Solution from CHAOQIANG is suitable for a wide variety of use cases across the food industry and beyond. Typical application scenarios include:

-Meat, poultry, and seafood processing lines — detection of bone fragments, dense bone shards, metal fragments, or foreign foreign matter in raw and processed meat products.

-Bakery, confectionery, and packaged snacks — ensuring packaged baked goods or snacks are free from metal, glass, or dense plastic contaminants that might have entered during processing or packaging.

-Dairy and ready-to-eat meals — detecting contaminants or integrity issues (e.g., missing components, packaging inconsistencies) in ready meals, dairy mixes or processed food packages.

-Pharmaceutical and plastics industries — beyond food, CHAOQIANG's X-ray and inspection systems can be used for quality control in other sectors where foreign object detection, density checking, or integrity inspection is critical.

-Quality assurance stations for export and compliance — for manufacturers exporting food products internationally, the solution supports compliance with stringent export safety standards and helps minimize recall risk.

These examples demonstrate the versatility of CHAOQIANG's inspection solutions — applicable not just to raw food production, but across processed, packaged, and value-added food lines as well as non-food industrial applications.

Client Success & Global Reach

Over the years, CHAOQIANG has built strong relationships with food manufacturers, processors, packers, and exporters around the world. Our export footprint spans Asia, Europe, Africa, North America, and South America — indicating that our solutions meet global standards and satisfy a broad variety of regulatory regimes.

Many of our clients operate high-volume production lines where throughput, reliability, and safety are all critical — from meat and seafood processing plants in Southeast Asia to packaged snack manufacturers in Europe, to ready-meal packers in North America. Through customized OEM/ODM orders, CHAOQIANG has helped several clients upgrade from conventional metal detection systems to full X-ray inspection solutions — significantly improving foreign-object

detection rates, reducing recalls, and enhancing overall product quality and brand trust. Furthermore, our commitment to customer support, after-sale service, and continuous innovation has earned CHAOQIANG a reputation for being more than a vendor — we are a long-term partner enabling safer, more efficient, and more compliant food production globally.

As the global food industry continues to expand — driven by increasing demand for processed, packaged, and ready-to-eat products — the need for rigorous, reliable, and advanced inspection systems has never been greater. The global market outlook for food inspection devices and X-ray inspection equipment points to sustained growth over the next decade, underpinned by stricter safety regulations, heightened consumer awareness, and ongoing technological innovation. In this context, CHAOQIANG — with its integrated capabilities, robust product line, proven quality standards, and global footprint — is uniquely positioned to deliver on that demand. Our High Quality Food X Ray Inspection Machine Solution is more than just equipment: it is a commitment to food safety, product integrity, and customer trust.

For more information, please visit our website: www.cqdetect.com.

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