

ERIEZ



SENSEGUARD X-RAY INSPECTION SYSTEMS

ACCURACY • PROTECTION • REPEATABILITY



ERIEZ
GLOBAL LEADER IN SEPARATION TECHNOLOGIES

About Eriez

Established in 1942, Eriez stands as a pioneering force in separation technologies, embodying a truly global presence.

With 12 wholly owned subsidiaries spread across the globe, we proudly design, manufacture, and support our magnetic separation, flotation, metal detection, and material handling equipment on an international scale.

Our dedicated team of knowledgeable and experienced sales engineers collaborates closely with customers, understanding their unique challenges to deliver dependable, high-performance equipment, systems, and solutions.

Whether clients require our standard equipment or bespoke solutions tailored to their precise specifications, Eriez delivers.

Drawing from more than 80 years of experience across diverse industries, including mining and minerals processing, food processing and packaging, aggregates, metals recycling, and many other sectors, Eriez leverages its extensive experience to design and supply products that elevate productivity, efficiency, and product purity.

Eriez remains steadfast in its commitment to setting the global standard for excellence in key technologies, driving innovation and reliability across industries worldwide.

X-ray Inspection Systems

Product Protection

Protect your brand and prioritize safety with Eriez' line of X-ray Inspection Systems. Detect contaminants, foreign objects, and irregularities in your product line and avoid costly and potentially dangerous product recalls. Designed to meet and exceed strict industry standards, our line of X-ray Inspection Systems delivers the checks you need. Make sure that your product stands up to the highest scrutiny using non-destructive X-ray technology.

See What You Can't

Utilize high-definition image processing to provide superior detection. Ensure top product purity whether you're inspecting for metallic, glass, stone, bone, or dense plastic contaminants. X-ray detectors can inspect incoming material feeds or already-packaged items, benefiting the entire downstream process. Whether by helping verify fill levels, uniformity, and positioning or detecting contaminants in raw, bulk, or pipeline streams, X-ray technology identifies issues fast.

Models for Your Exact Needs

XRP Series for packaged products.

XRB Series for bulk flow processes.

XRS Series for bottles and cans side view.

XRL Series for liquid lines.



Built for Demanding Environments

- Modular, stainless steel construction for a durable and compact footprint
- Highly sensitive linear diode array detectors for high-contrast imaging and superior detection capabilities
- Tool-free conveyor belt removal for quick sanitation and maintenance
- Rugged construction built for washdown conditions

Powerful, Intuitive Software

- AI-enhanced image analysis for superior detection accuracy
- User-friendly 15" touchscreen interface with customizable user profiles
- Multiple inspection tools including foreign material detection, shape, density, advanced weight control and missing component detection
- Ability to inspect multiple products simultaneously with our bar code scanner input option
- Real-time visualization for multiple inspection modes
- Audit-ready data logging and reporting, 21 CFR Part 11 compliant software, and IQ/OQ documentation available

Designed for Your Industry

- | | |
|-------------|------------------|
| • Food | • Pharmaceutical |
| • Packaging | • Chemical |
| • Bottling | • Plastics |
| • Canning | • Rubber |
| • Recycling | • Textiles |

XRP – Inspection for Packaged Products

For Cases, Cartons, Bags, Pouches & More

Streamline product inspection requirements using advanced X-ray technology tailored for items such as cases, cartons, bags, pouches, trays, or small cups. The XRP Series delivers high-performance foreign object detection in a simple, space-efficient design. Integrate with conveyor systems and existing material flows for end-of-line processing. This compact, flexible, and hygienic design is ideal for food and pharmaceutical applications. Everyday operation is easy with integrated rejection solutions. Eriez product inspection experts can help to seamlessly integrate X-ray inspection for added safety and reduced downtime.

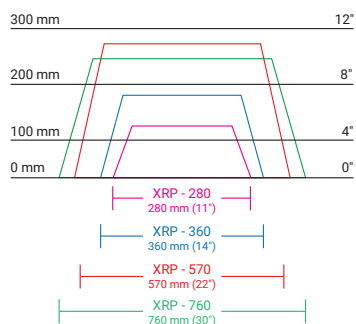
Scalable Power and Passage

Find the model that works best for you. The XRP line of X-ray Inspection Systems offers a range of performance across varying product sizes.

Model	Inspection Width (mm)	Inspection Height (mm)	Belt Width (mm)
XRP-280	280	120	275
XRP-360	360	180	400
XRP-570	570	270	600
XRP-760	760	250	800
XRP-570p	570	310	600
XRP-760p	760	350	800



Opening Trapezium



Features

- High throughput with line speeds up to 80 meters/400 packages per minute
- For use with up to eight different lanes of inspection
- Drum-motor belt drive enables compact length (as short as 1m) and easy integration without bulky external motors
- Rugged, sanitary design built for IP65 washdown conditions
- Automatic integrated rejection solutions available to suit any application

Products



XRB - Bulk Flow for Raw Materials

Process Loose & Granular Products

The XRB Bulk Flow X-ray Inspection Systems are designed to deliver contaminant detection for raw, unpackaged bulk materials. Whether it's nuts, seeds, fruit, grains, or frozen berries, these systems catch foreign objects such as glass, metal, stone, or unwanted clumps early on. Protect downstream machinery and maintain product.

Model	Inspection Width (mm)
XRB-360	360
XRB-570	570

Features

- Easily inspects uneven flow and overlapping products
- Repeatable contaminant detection
- Maintain high throughput with excellent accuracy
- Designed for loose and granular products



Products



An Eriez Vibratory Feeder metering out product into the X-ray Inspection System

XRS - Sideview for Cans, Jars & Bottles

Upright Scanning

The XRS Sideview X-ray Inspection System is engineered for upright containers like cans, jars, and bottles. Quickly scan dense regions typically hidden from top-down systems. Let the geometry work for you with optimized angles aimed at your specific product line.

Choose configurations for single-beam inspection, multi-beam inspection, or 360° imaging.

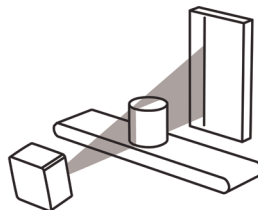
Model	X-ray Sources
XRS-100lp	1
XRS-100	1
XRS-200	2
XRS-300	3



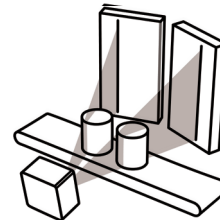
Features

- Detects contaminants in cap, neck, and base
- High-contrast diode array for enhanced base and sidewall detection
- No need to rotate containers during inspection
- Adaptable for both glass and opaque packaging
- Full QA toolkit for missing product, fill verifications, and seal inspections

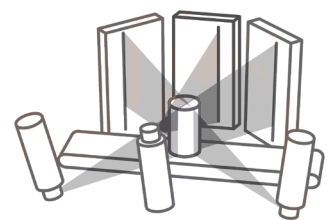
Single-Beam



Dual-Beam



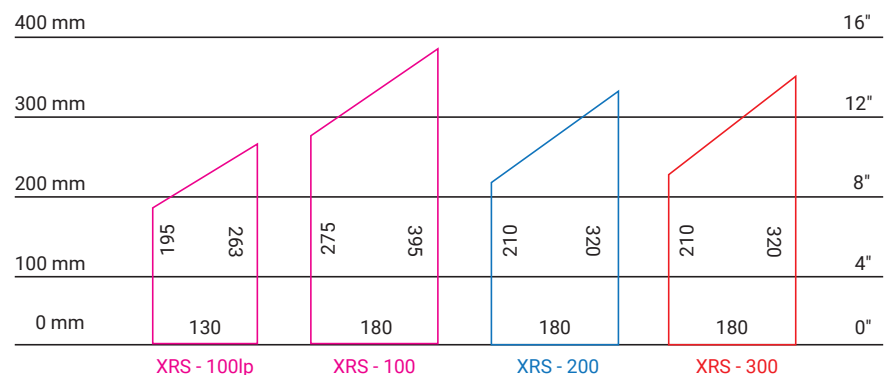
Triple-Beam



Products



X-ray Beam Chart



XRL for Liquid Lines

For Pumped & Semi-solid Streams

The XRL Inspection System is specifically engineered for liquid, pumped, or semi-solid product streams. Perfect for applications where traditional conveyor or gravity systems aren't feasible, it lets you maintain flow continuously with minimal downtime.

Specifications

- Pipeline Size: 4" (100 mm) tri-clamp or DIN flange
- Reject valve options: full-divert, three-way, or pulse flush
- Protection rating: IP66

Model	Pipe Diameter
XRL-360	4in (100 mm)

Features

- 4" (100 mm) diameter stainless-steel pipeline with hygienic connectors
- High-speed image acquisition for turbulent product streams
- Precise reject valve with minimal product loss
- FDA-compliant food-contact components
- Fully sanitary design—clean in place (CIP) ready



Products



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HEADQUARTERS

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Note: Some safety warning labels or guarding may have been removed before photographing this equipment. Eriez, Eriez Flotation and Eriez Magnetics are registered trademarks of Eriez Manufacturing Co., Erie, PA.

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