



X-RAY INSPECTION SYSTEMS

Introducing the New X5DE X-Ray System

Enhanced Inspection Performance



A New Level of X-Ray Inspection

Dual Energy with Multi-Level Algorithms

- Our innovative technology ensures consistent product quality by identifying foreign bodies in overlapping products with advanced detection features. The improved accuracy greatly minimizes false rejects, while delivering clear, adaptable imagery that boosts contaminant detection.
- By capturing X-ray images at both multi energy levels, it highlights different attenuation patterns, enhancing the system's capability to identify contaminants. This results in more dependable and efficient inspections across many applications.

Financial Advantages for Your Product Line

- The X5DE operates at the lowest possible energy levels, helping to cut operational costs and together with lead-free construction, supports environmental sustainability.
- Achieve lower total cost of ownership as this machine is designed for fewer breakdowns with extended component lifespan.



GET IN TOUCH WITH LOMA SYSTEMS

Contact us to find out how to enhance productivity and efficiency with the X5DE X-Ray System.



Improved User Experience

New 19" high-definition wide touchscreen for screen clarity and improved on-screen diagnostics for a more intuitive operator experience.



Integrity Checks

Along with checking for contaminants, the X5DE can conduct product integrity checks, verify content count, and ensure expected product presentation.



Enhanced Security

RFID security tags enable faster login and provide enhanced product security and data integrity to keep your operations secure.



Information Connectivity

For standardization in sending and receiving data, the X5DE has the international communication standard of OPC-UA, essential for Industry 4.0 connectivity.

www.loma.com

1-800-872-LOMA (North America)

Metal Detection | Checkweighing | X-Ray Inspection

An **ITW** Company

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X5 Series X-Ray Systems

Benefits of the X5DE X-Ray System

Model & Tier

Value Proposition Feature

		PREMIUM	CORE	ENTRY
				
		X5DE	X5 Spacesaver	X5C
Low Total Ownership Cost	Power	210 W (60k V3.5mA max.)	144 W (60 kV 2.5 mA)	80 W (60kV 2.0 mA)
	Image Processing	Yes	Yes	Yes
Enhanced Detection Performance	Contaminant Detection	Yes	Yes	Limited
	Product Integrity	Yes	Standard and Optional Features	Limited
	Reporting	Yes	Yes	Yes
	X-Ray Beam	Downshoot - Fan	Downshoot - Fan	Rectangular
	Dual Energy	Yes	No	No
	Diode Size	0.4mm	0.4mm	0.8mm
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Designed to Survive®	Interface	19" Color Touchscreen	15" Color Touchscreen	8" Color Touchscreen
	Interface	19" Color Touchscreen	15" Color Touchscreen	8" Color Touchscreen
Product Specifications	Belt Width	500mm	300mm 500mm	300mm
	Maximum Width of Product	285mm 478mm (Recommended Max)	285mm 478mm (Recommended Max)	280mm (Recommended Max)
	Maximum Aperture Height	200mm	200mm	130mm
	Maximum Height of Product	180mm	180mm	120mm
	Belt Speed	20-60m/min. (65.6-262 ft./min.)	20-80m/min. (65.6-262 ft./min.)	10-50m/min. (33-164 ft./min.)
	Maximum Weight on Belt	Up to 25kg	Up to 25 kg.	Up to 6 kg.
	Machine Operating Temperature	32-77° F	32-77° F	32-77° F
	Adaptive Array Technology	No	Yes	No
	Line Height Options	750-1000mm ±50mm	750-1000mm ±50mm	750-1000mm ±50mm
	Line Length	1000mm (Without Reject)	1000mm (Without Reject)	1000mm (Without Reject)
	Overall Height	893 + Line Height	893 + Line Height	515 + Line Height
	Overall Depth	790	790	689
	Footprint	790000	790000	689000
	Capacitive UPS back-up to PC	Yes	No	No
	Cooling	Vortex Cooler	Vortex Cooler	Vortex Cooler
	IP Rating	IP66 as Standard	IP66 as Standard	IP66 as Standard
	IP Rating	IP66 as Standard	IP66 as Standard	IP66 as Standard
Improved Security and Data Exchange	Connectivity	USB Ethernet Port	USB Ethernet Port	USB Ethernet Port
	OPC UA	Yes	No	No
	RFID	Yes	No	No