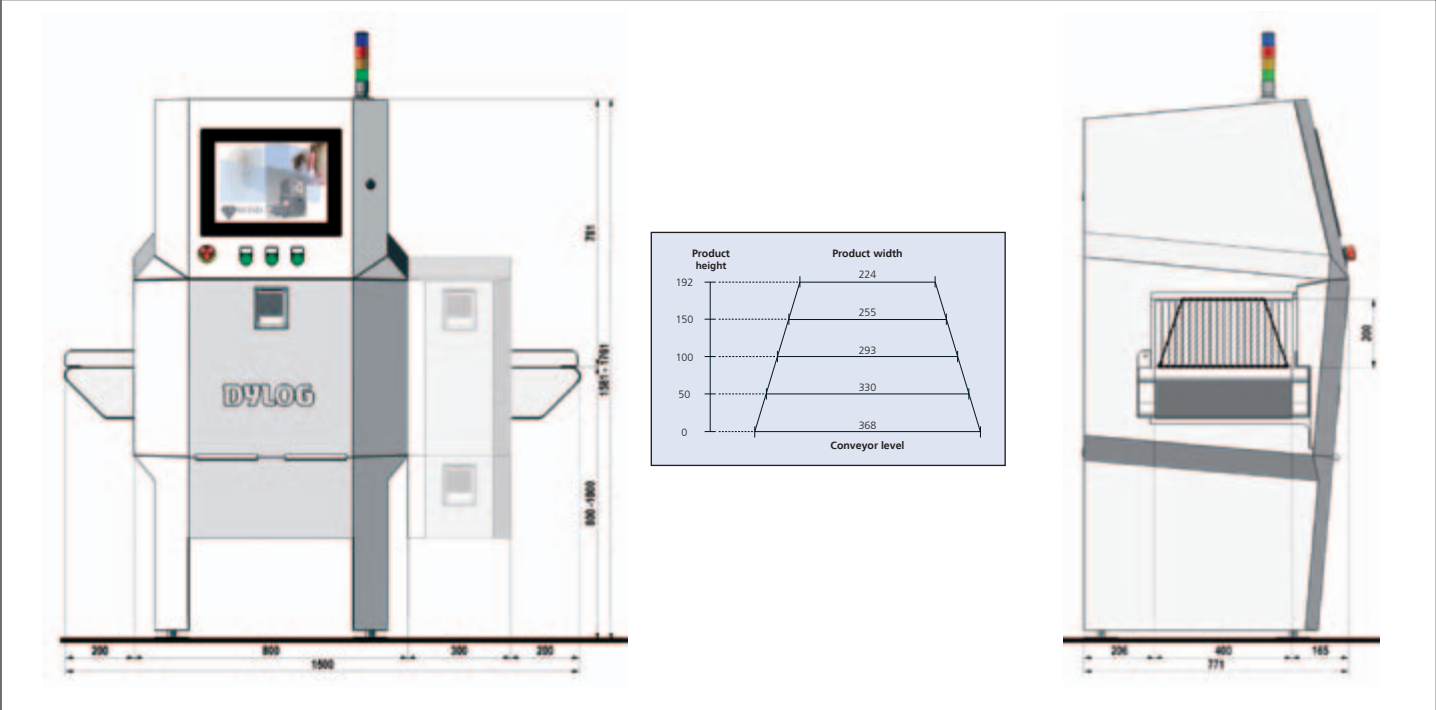




TECHNICAL SPECIFICATIONS

Environment	5°C to 35°C, RH 0-90% condensation free
Inspection tunnel	Max Height= 192 mm. Max Width= 368 mm
Belt (length/ width/ height)	1500mm / 400 mm/ 800-1000 mm
Machine dimension (length/ width/ height)	800 mm/ 771mm / 1581-1761mm
Conveyor speed	Max. 100 m/min
Protection level	IP65 or IP69K on request
Processor	Industrial SB-PC, with latest generation Pentium
Pre – processing and control unit	Dylog DYMOND Acquisition Board
Monitor	High contrast 15" LCD colour monitor with touch screen
X – ray sensor	0.8 mm resolution / 0.4 mm – 0.2 mm on request
X – ray generator	100 W – High resolution
Rejection	Option: different reject devices and bins up to 8 lanes on request
Power consumption	1.2 kW
Voltage	220/230 V ac
Frequency	50/60 Hz
Air supply	7 bar (for rejecter only)

Your Local Sales Representative



X-ray Inspection System





SUITABLE FOR

DETECTION OF **CONTAMINANTS** INSIDE
BAG IN BOX, ALUMINIUM POUCHES, TRAY
AND CARTON APPLICATION, BULK PRODUCT.

NEW DYMOND SERIES X-RAY INSPECTION

With the ever increasing demands and safety standard expectations in the food, pharmaceutical, beverage & packaging industries, the demands placed on contaminant detection throughout the manufacturing & packaging process is also becoming increasingly stringent.

X-Ray technology, already well established in the food & pharmaceutical processing industry, is capable of detecting a wide range of contaminant such as metal, glass, stone, bone, seafood shells, ceramics and certain plastics (such as PVC, Viton®, etc) through all types of packaging and package size.



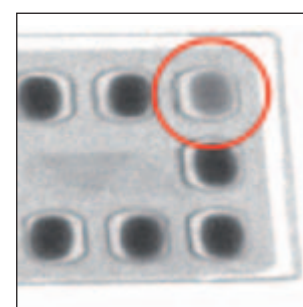
Dylog, one of the forerunners in the x-ray inspection market, with their well known & proven range of Dylog X-ray Inspection Machines, namely the - DYXIM FB (Flat Bed), - DYXIM S (Single side view) and - DYXIM D (Double side view) series, have over a 1000 installations worldwide, covering the complete range of food manufacturing applications.

Dylog Hi-Tech, with 20 years experience in x-ray technology for the Food & Beverage industry, have, together with a team of aerospace engineers, revolutionized their x-ray design and present a new range of X-ray inspection machines - DYMOND.

The new DYMOND Series of x-ray machines incorporates the latest in design and engineering technologies, with Dylog's new powerful and intuitive software, offering reliability and user-friendly operating features, this setting new standards in x-ray detection technology. The new design meets & exceeds the most stringent environmental and cleaning requirements on the market, set by any international authority.

The DYMOND Series of inspection machines offer the best balance between the requirements of an x-ray detection system and new industry standards for food & pharmaceutical quality control.

Reliability with flexibility is achieved by hardware modularity and an impressive list of software options, which are its key features, all supported by an internationally widespread service organization and remote service offered by Dylog's x-ray specialists.



HARDWARE

Hi quality x-ray tube: the small focal spot allows overall better performances.

Ultra fast, hi sensitivity detector: the latest generation x-ray detectors creates low noise images even at very high speed. The brightness, contrast and the resolution present clear images for inspected products.

Protection rating: IP65 standard & IP69K on demand.

Hi resolution touch screen monitor: easy of use touch graphical user interface (T-GUI).

Simple belt removal: the new design requires just a few seconds to disassemble the conveyor belt. Just a "click". No tools or dismantling procedures necessary for easy maintenance and cleaning.

Compact size: the compact size of the unit is achieved by using the latest technology components and innovative design.

Multi-lane inspection: up to 8 separate inspection lanes per DYMOND can be defined, each lane with a separate reject device, using high speed software and hardware technology internally developed by Dylog.

Stainless steel finish: as standard AISI 304. AISI 316 is available on request.

Adjustable speed: from 5m/min to 100m/min.

Air cooled x-ray tube: the latest technology in x-ray tubes allows for an air cooled system, thereby negating the need for an external water chiller.

Options: reject devices and bins, sound alarms and beacons.

SOFTWARE

Lynceus software: the new software that can detect very small variations and performs the contaminant detection at the highest level of today's technological capabilities, featuring:

Wavelet filtering tools: Lynceus image filtering removes "visual noise" from the captured image and allows improved contaminant detection.

Parallel image processing: Lynceus improves the speed of inspection and detection by processing data in parallel.

F.A.S.T. start: the new "Fully Automated Setup Technology" enables the operator to set-up new products, using the on-screen guided software.

Missing product detection: Lynceus detects and rejects packs with missing products or parts.

Checkweigh functionality: Lynceus "x-ray weighs" each & every pack and detects and rejects with a high precision of accuracy the underweight products.

Multi layer analysis: Lynceus performs "multi level image processing" using more complex algorithms to determine missing product in a multi-layer pack.

Multi-lane inspection: Lynceus can inspect a conveyor divided in up into 8 lanes simultaneously .

Virtual contaminant test: Lynceus compares the real time machine performance with standard required performance, using a virtual contaminant data base.

ADVANCED CAPABILITIES FOR PHARMACEUTICAL APPLICATION

The DYMOND Series is 21 CFR Part 11 Environment Compliant, i.e. all requirements related to the security, storage and retrieval of electronic records for tracking and traceability.

User access to the system is strictly controlled at multiple levels and meets the requirements for electronic signatures. Lot and Action databases are maintained for Audit Trail records and events tracking.