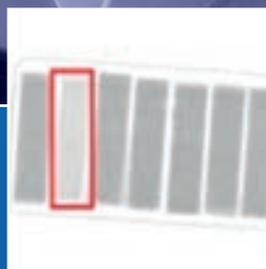


DYLIGHT

ENG

X-ray Inspection System



DYLOG[®]
HITECH

DYLIGHT

X-ray Inspection System

DYLIGHT CONVEYOR BELT MACHINE

DYLight can be classified as the entry level of the conveyor belt machines, a smaller version of the DYmond range (low power machines). It is designed to supply the market with a specific device for light, compact food products (snacks, energy bars, sweets, powder products), for which a very low power is sufficient. Easy to use, as well as a compact size, the machine gives customers a "plug & play" solution that is extremely simple to position on the production line.



ADVANTAGE OF THE X-RAY INSPECTION MACHINE

This is a non destructive analysis which, without altering the chemical composition or organoleptic properties of the product in any way, detects contaminants (in any type of container or package) and verifies the product's completeness and conformity. Every contaminant with a higher density than that of the inspected products (metals, glass, bones, stones, shells, ceramics, PVC, Viton®) can be identified.





HARDWARE

X-ray tube - the small focal spot and the high quality of the tablet element provide long-lasting, excellent performance. Equipped with the AIR COOLING system, the machine can work in a wide range of temperatures without needing an outside water chiller.



The BELT LENGTH is completely configurable, depending on the customer's requirements and the space available. The new system with DRUM MOTOR allows to reduce the length of the belt to 1m and to join it with existing ones without problems typically caused by the size of normal external motors.

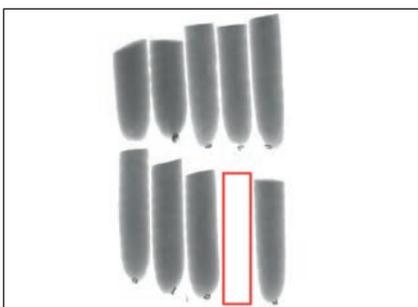
The main components (BELT, CURTAINS, GENERATOR and DETECTOR) can be simply and quickly removed thanks to the completely new design.

The reject collection bin is integrated into the machine chassis and it's completely accessible by a key door.



SOFTWARE

Dylog contaminant detection software guarantees high performance. New filtering technology and parallel image processing provide clear, high-contrast images, without noise, and with faster scanning speed.



Missing product parts can be identified and the total or partial weight of the product can be checked thanks to intuitive, configurable screens.

REMOTE CONTROL and a 5-LEVEL PASSWORD PROTECTION SYSTEM mean many users can work, each with their own password.

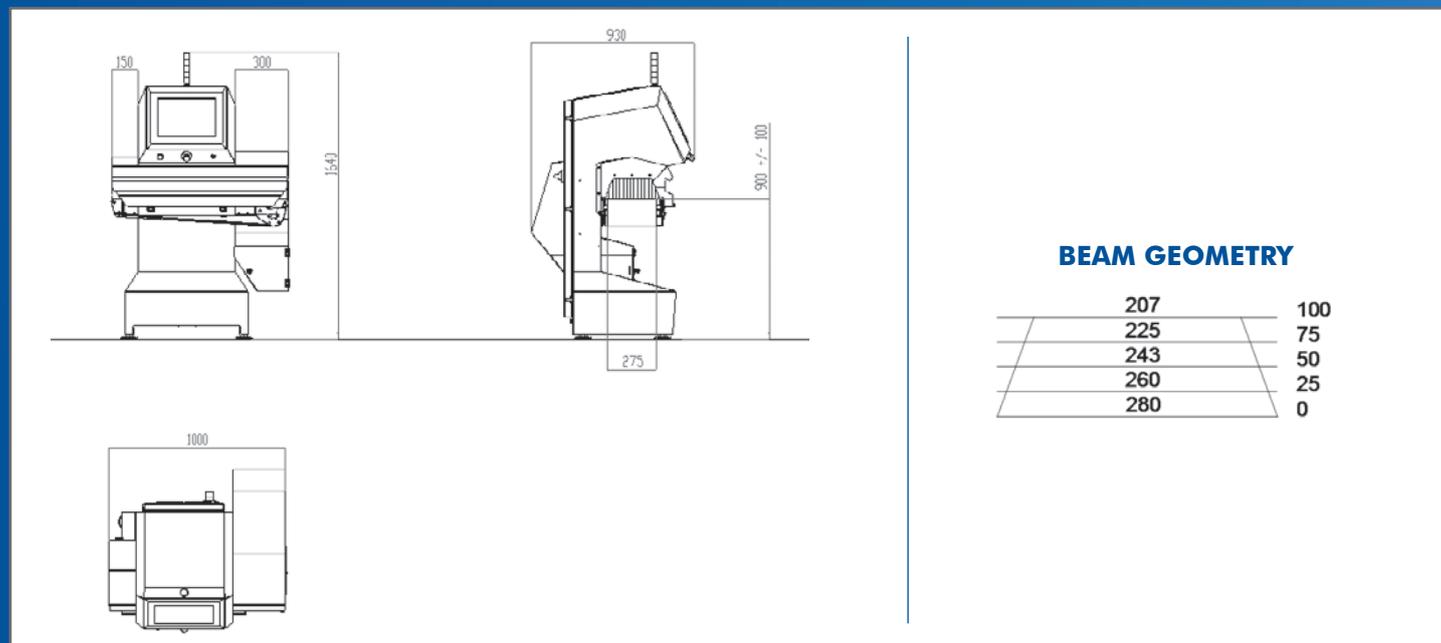
Production data and the machine's usage data have redundant storage systems to guarantee maximum safety. And thanks to the automatic creation of reports, the data is easy to understand.

DYLIGHT

TECHNICAL FEATURES

Power	100W
Detector scan rate	Up to 2800 lines/second
Detector resolution	0.8 mm (0.4 mm on)
Belt speed	10 - 45 m/min (motor-driven drum)
Shutters	Lead-free, FDA-approved
Certification	CE, UL
Safety switches - interlock	SIL 3. Category IV PL e, magnetic
HMI	15" Touchscreen
OS	Windows 7
Languages	English, Italian, French, German, Spanish, Chinese, Hungarian, Norwegian, Polish, Korean
Operating temperature	5 - 35°C
Relative humidity	20% -90% (no condensate)
Power supply	230 VAC \pm 10% (standard)
Compressed air	5.5 - 6.9 bar
Cooling	Fans
USB port	Yes - external
Network output	Ethernet
Radiation protection	FDA CFR 21 part 1020,40
International Protection Rating (IP)	IP54

OVERALL DIMENSIONS



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