Classical X–ray inspection

New generation of **X-ray inspection systems** for your production

The new generation of **X-ray inspection equipment** of Varpe offers innovative global solutions for the inspection of products with **vertical beam**, guaranteeing the safety and integrity of your production. This type of beam is the most common and can inspect practically any product.

The advanced X-ray technology of IRIX DV Classic achieves exceptional levels of detection of ferric and non-ferrous material, stainless steel, glass and stones.

It also **simultaneously verify** product damage, breakage, mass measurement with estimated weight, and item count within the product.

This system complies with the **international safety standards** governing ionizing radiation emissions.

It is listed under the **certification of exempt equipment** granted by the General Direction of Policies and Mines, with the approval of the Council Of Nuclear Safety Number NHMX224, published in the BOE No. 90 on April 15, 2017.

* The image of the product may vary depending on adaptations of the equipment.

ISO
ISO 9001:2015 certified

CSN
CONSEJO DE SEGURIDAD NUCLEAR
NHM–X224 HOMOLOGACIÓN
Council of Nuclear Safety

QUALITY AND MAINTENANCE PLAN
Check our maintenance plans, certifications and calibrations

Vertical beam   *Emergency stop*   *User-friendly software*   *Beacon*

TECHNICAL SPECIFICATIONS

Production	Up to 1200 p/min.
Memory formats	Up to 900 products
Screen	LCD-LED color touch screen 17"
Protection	IP54 / IP66 (optional)
Motor	Asynchronous and / or Servo Motor
Working temperature	0-40 ºC
Manufacturing material	Stainless Steel AISI 304 / AISI 316 (optional)
Maximum product dimensions	According to the needs
Working height	800 - 1200 mm
Resolution	0,8 a 0,4 mm/pix.
Scanning speed	Up to 200 m/min
High-voltage source	Max. 70 kV - Max. 8 mA - Max. 600 W of high durability

Varpe offers the possibility of adapting the standard specifications to the requirements of each client.
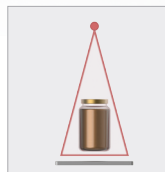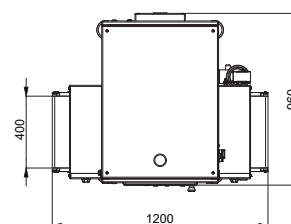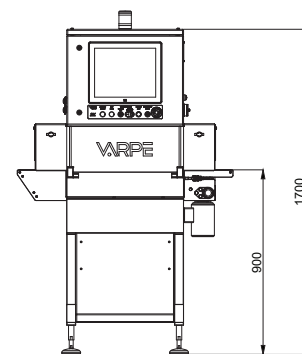
DIMENSIONS

* Conveyor dimensions adapted to the product needs.

INCLUDED ELEMENTS

SELF-LEARNING
Product self-learning to optimize production

CONTROL
Full control of all processed products

AUDIT
Audit-trail of settings and configurations

SOFTWARE
Intuitive human-machine interface

USERS
Advanced user control and access with a three-level password

SECURITY
Data integrity security and automatic backups

REJECTION INFORMATION
Queries, export and analysis of rejections

LANGUAGES
Language selection

X-RAY GENERATOR
High performance and high durability X-Ray generator

LINEAR ARRAY
Latest generation Linear array

PC
Latest generation PC for high-speed processing

UPS
Uninterruptible Power Supply

ADDITIONAL ELEMENTS (MODULAR)

Accessories and complements

GUIDES
Adjustable side guides and upper guides

FEEDERS
Magnetic feeders, sidebands, pass-through, sequencers, screw feeders, etc.

AIR-CONDITIONING
Air conditioning for extreme temperatures

ALARMS & BEACONS
Light and / or acoustic beacon and alarms

REJECTION DEVICES
Pushers, blowers, turnouts, tilting, progressive, retractable, etc.

COLLECTION
Rejected product collection system

IP
Degree of protection suitable for harsh environments

SENSORS
Sensors adapted to the product

ADAPTATION
Possibility of different measures in working height, weight zone, conveyors and rejection

TANK
High-definition tank

SCREEN
Articulated arm screen

HYGIENIC DESIGN
Hygienic design based on EHEDG concepts

INCLINED PLANE
Design adapted to inclined lines

Communications, controls and technologies

DIGITAL SIGNALS
Management of digital signals for communication with the line

USB
USB connection port

PROTOCOLS
Communication protocols DATAHUB WEB, MODBUS TCP IP, OPC UA, etc.

CONNECTIONS
Ethernet connections

REMOTE CONNECTION
Remote communication for remote maintenance and / or technical support

MAINS VOLTAGE
Electrical voltages adapted to the client at 50/60 Hz

SOFTWARE
Software to improve performance and profitability under request

VIT4
VIT4 software for production data management

ALGORITHMS
Special and customized algorithms (detection of rings, inspection of multipacks)

SPEED
Automatic speed variation

PRODUCTION CONTROL
Control of downtimes, shifts, partials

CONFIRMATION
Confirmation of correct or rejected products (full confirmation), M&S process

ACCUMULATION
Detection system for rejected product accumulation

LIST
Automatic production listing

READER
Manual or automatic barcode, QR and IR reader

VISION
Possibility of adding inspection by vision to complete product information

VARPE
QUALITY UNDER CONTROL