

## Combined checkweighing and metal detection

**Combined solution** including the latest generation of **checkweighing** and **metal detection** technology

The COMBI MD inspection solution meets market requirements for checkweighing and detection of metal particles. This equipment helps to control the quality and profitability of production and increases raw material savings by reducing the number of rejects.

The COMBI MD offers a robust, stable and versatile construction thanks to its modular system. It is the ideal solution for grouping in-line quality control of packaged production batches in a single point, thus contributing to space savings. It includes advanced electronics for maximum accuracy in weighing and detection of metal bodies. In addition, it features state-of-the-art software, touch screen and extensive communications systems.

### TECHNICAL SPECIFICATIONS

Production	Up to 400 e/min.
Precision	From 0,1 g*
Division unit	From 0,1 g
Memory formats	Up to 900
Screen	LCD-LED touch color 12"
Protection	IP65 / IP66 (optional)
Minimum weight to control	From 6 g
Maximum weight to control	Up to 3 kg (opcional hasta 10 kg)
Motor	Asynchronous and/or Servo Motor
Operating temperature	0-40 °C
Working height	600 -1200 mm
Voltage	3x380 V + N, 3x220 V, 220 V Mono 50/60 Hz
Consumption	20 VA

\* Depending on the legal characteristics and the product format.

Varpe offers the possibility to adapt standard specifications to individual customer requirements.



ISO  
ISO 9001:2015  
Certificate



METROLOGY  
Instrument subject to metrological control in accordance with EU directives and national regulations.



QUALITY AND  
MAINTENANCE PLAN  
Consult our maintenance plans, certifications and calibrations.

\*Product image may vary depending on equipment adaptations.



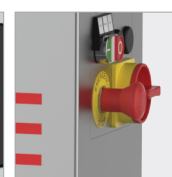
Metal detector



Beacon

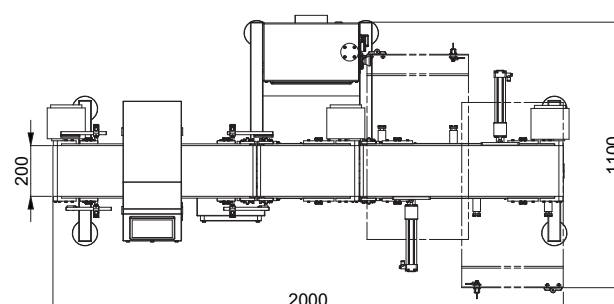
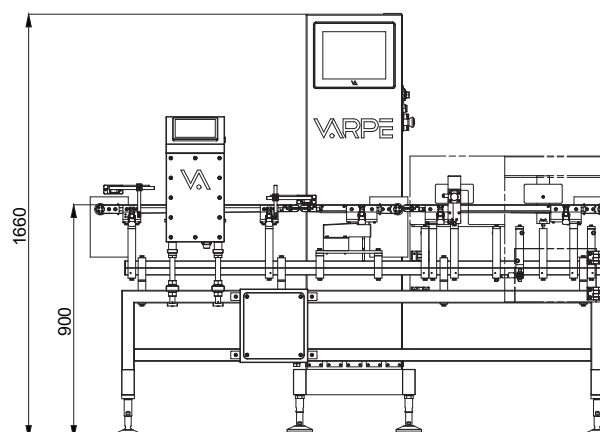


Intuitive software



Emergency stop
















### DIMENSIONS






















# COMBINED EQUIPMENT WITH CHECKWEIGHER AND METAL DETECTOR – COMBI MD

## INCLUDED ELEMENTS



















 <b>SETTINGS</b> Static and dynamic adjustment of products	 <b>CONTROL</b> Total control of all products that have been processed	 <b>SELF-LEARNING</b> Product self-learning for production optimization	 <b>AUTOZERO</b> Autozero - Autotrack for automatic weight adjustment	 <b>AUDIT</b> Audit-trail of settings and configurations
 <b>SOFTWARE</b> Intuitive and user-friendly human-machine interface	 <b>DIAGNOSIS</b> Checking the correct operation of the equipment	 <b>USER</b> Advanced user control and three-level password access	 <b>SECURITY</b> Data integrity security	 <b>REJECTION INFORMATION</b> Consultation, export and analysis of rejections
 <b>LANGUAGES</b> Selection of languages	 <b>UNITS</b> Selection of units according to needs	 <b>PROCESSING</b> 32-bit digital signal processing for improved contaminant detection	 <b>FREQUENCY</b> True multi-frequency with standard operation from 40 to 900 kHz	 <b>HACCP</b> Performance validation to aid HACCP compliance

## ADDITIONAL ELEMENTS

### Accessories and complements

 <b>GUIDES</b> Adjustable top and side guides	 <b>POWER SUPPLIES</b> Magnetic feeders, side belts, transfer, sequencing, screw conveyors, etc.	 <b>PROTECTION</b> Draft shields, accesses, etc.	 <b>AIR-CONDITIONING SYSTEM</b> Air conditioning for extreme temperatures	 <b>ALARMS AND BEACONS</b> Luminous and/or acoustic beacon and alarms	 <b>REJECTION DEVICES</b> Pushers, blowers, turnouts, tilting, progressive, retractable, etc.	 <b>COLLECT</b> Collection system for rejected products	 <b>IP</b> IP protection for extreme environments	
 <b>DOUBLE WEIGHTING</b> Possibility of double weighing station	 <b>SENSORS</b> Sensors adapted to product	 <b>ADAPTATION</b> Possibility of different measures in working height, weight zone, conveyors and rejection.	 <b>HYGIENIC DESIGN</b> Hygienic design based on EHEDG concepts	 <b>INCLINED PLANE</b> Adapted design for inclined lines	 <b>ANTI-VIBRATION</b> Anti-vibration reinforcement base	 <b>BENCH</b> Independent bench	 <b>SCREEN</b> Articulated arm display	 <b>PRINTER</b> Built-in data printer

### Communications, controls and technologies

 <b>DIGITAL SIGNALS</b> Management of digital signals for communication with the line	 <b>USB</b> USB connection port	 <b>PROTOCOLS</b> Communication protocols DATAHUB, WEB, MODBUS TCP, IP, OPC UA, etc.	 <b>CONNECTIONS</b> Ethernet Connections	 <b>SAI/UPS</b> Uninterruptible power supply	 <b>MAINS VOLTAGE</b> Customised electrical voltages at 50/60 Hz	 <b>SOFTWARE</b> Software to improve performance and profitability on customer request	 <b>VIT4</b> VIT4 software for production data management
 <b>REMOTE CONNECTION</b> Remote communication for remote maintenance and/or remote technical support	 <b>SPEED</b> Automatic speed variation	 <b>PULSES</b> Speed variation by pulses	 <b>CONTROL OF PRODUCTION</b> Control of production times, shifts, partial, weight by weight.	 <b>FEEDBACK</b> Feedback for proportional, PID or moving average dosing system	 <b>CONFIRMATION</b> Confirmation of correct or rejected products (full confirmation), M&S process.	 <b>ACCUMULATION</b> Reject accumulation detection system	 <b>LISTS</b> Automated production listing
 <b>BARCODE</b> Manual or automatic barcode, QR and IR barcode scanner	 <b>VISION</b> Possibility to add vision inspection to complete product information						