

PRODUCT INSPECTION



METAL DETECTORS
OPTICAL INSPECTION SYSTEMS
CHECKWEIGHERS
SOFTWARE



p-u-l-s-o-t-r-o-n-i-c

ANLAGENTECHNIK



The headquarters of Pulsotronic-Anlagentechnik GmbH are Niederdorf / Stollberg in the business district of Chemnitz - Zwickau, directly on the motorway A72 located. Here, all products „Made in Germany“ are developed and manufactured in a modern building complex of more than 8,000 m² production area. The structural advantages, state-of-the-art production facilities and motivated employees prepare a top level of innovation and flexibility.

Pulsotronic plant technology is a pioneer in metal detection in the food, plastics and recycling industries. Other innovative products have been successful in the food industry. Based on many years of experience, Pulsotronic-Anlagentechnik develops, produces and sells metal detectors, end of line technology and special equipment. Since 2010 Pulsotronic-Anlagentechnik offers complete automation solutions in the product packaging area. Our Systems are characterized by their high reliability and ease of use. A team of engineers and specialists is constantly working on improvements and customized solutions. Through close cooperation with regional research institutes in Saxony, our products are always state-of-the-art. The development and production of all products and special equipment takes place completely at the Niederdorf site. This is it enable us to test new procedures and principles in the quickest possible way and put them into practice.

Quality assurance and environmental protection are central components of our management. Pulsotronic system technology closes in all respects, the „ZVEI Code of Conduct“ on social responsibility.

Do you not find the product you are looking for in the brochure?

Do you need a custom solution?

Do you have any questions or suggestions?

Our sales engineers will gladly advise you on site.

Our sales engineers are happy to advise you on site.



Performance Overview

Comprehensive technical knowledge and excellent on-site service are prerequisites for a successful machinery and equipment business. We are happy to tackle your tasks and remain true to our slogan:

„Pulsotronic - complex solution from one source“

PRODUCT INSPECTION



- Metal Detectors
- Optical Inspection system
- Checkweighers
- Software

END-OF-LINE-AUTOMATION



- Converger
- Inspection
- Packaging
- Complete lines
- Special solutions
- Conveyors

METAL DETECTORS

control units

We offer a wide range of evaluation electronics, which are specially adapted to our sensors. This achieves maximum sensitivity and reliability. All electronics have a very good handling and a simple user interface and can be extended as needed.

M-Pulse3

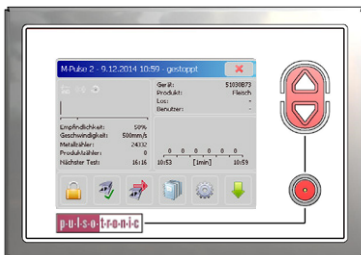
M-Pulse3



- multi-simultaneous frequency technology / multiscan technology
- touch screen / graphical display 7" / detached
- high-precision product effect offsetting
- unlimited product memory spaces
- Network / Ethernet / USB / remote control/support
- comprehensive support for peripherals

M-Pulse2

M-Pulse2



- four-quadrant technology / multi-frequency technology
- touch screen / graphical display 5,7" / detached
- high-precision product effect offsetting
- unlimited product memory spaces
- Network / Ethernet / USB / remote control/support
- comprehensive support for peripherals

Digital2

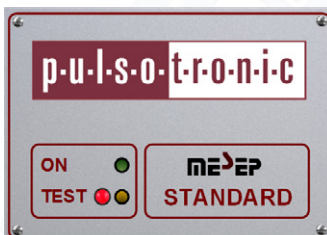
Digital2



- primarily intended for use with bulk materials detectors
- high-precision product effect offsetting
- six product memory spaces
- easily operation by 3.5" TFT

MESEP

MESEP



- intended for use with bulk materials detectors
- easy operation

METAL DETECTORS - TUNNEL

for conveyor, chutes and foils / roll goods

Complete device BD + HQ

M-Pulse2

M-Pulse3

IP65

IP69k

Ethernet



- hygienic design
- highest sensitivity
- customized special model
- many options available
- fulfills all the requirements according to HACCP / IFS
- link chain or polyurethane belt (PU)

BD - series

M-Pulse2

M-Pulse3

IP65

IP69k

Ethernet



- high level of detection since the magnetic field surrounds the products
- multi-simultaneous frequency technology available
- optionally available in multi-frequency technology
- stainless steel housing with long-time stable and water-tight encapsulation
- available in various detector sizes, adapted for the product
- fulfills all the requirements according to HACCP / IFS
- hygienic design
- many sizes available

TU - series

Digital2

M-Pulse2

IP54

Ethernet



- deidable stainless steel housing
- available in various detector sizes, adapted for the product
- easy integration into existing systems

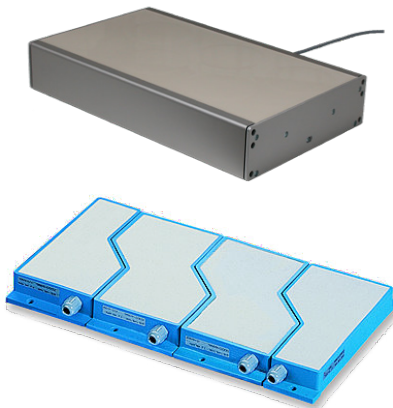
METAL DETECTORS - FLAT SENSORS

for conveyor, chutes and foils / roll goods

SP / AR - series

IP54

MESEP



- easily integrated in conveyor belts, since it can be installed flush
- long-term stable, fully encapsulated in extremely stable metal housing
- belt stop or reverse motion operation available using reversing contactor circuitry
- external control electronics with RESET/START-STOP button
- standard detection widths to 1,200 mm
- no metal-free zones necessary

FS - series

FS HMI

IP65

Ethernet



- especially for sorting tasks in the recycling industry
- integrated controller for discharge elements (blast pipe or pushers)
- can be controlled via optional operating unit, SPC or PC
- available in models with various resolutions and widths
- standard detection widths to 2,000 mm (alignable sensors for bigger total widths on inquiry)
- no metal-free zones necessary

FL - series

Digital2

M-Pulse2

IP54

Ethernet



- flat pick-up coil for mounting under a belt conveyor or chute
- available in various sensor widths, adapted to the product
- stainless steel housing with long-time stable and water-tight encapsulation

METAL DETECTORS - SEPARATORS

for bulk material

GF / GFC - series

Digital2

M-Pulse2

IP65

Ethernet



- open, easily accessible precious metal rack, also available in compact styles
- device-specific material throughput of up to 200,000 l/h
- optionally with special wear-resistant ejection unit
- product-touching parts made of stainless steel/POM

VA - series

MESEP

Digital2

M-Pulse2

HT 200°C

IP54

Ethernet



- extremely sturdy and compact stainless steel housing
- device-specific material throughput from 14,000 l/h of up to 40,000 l/h
- stainless steel ejection unit
- optionally with wear-resistant product pipe
- optionally high-temperature application

Y - series

Digital2

M-Pulse2

HT 200°C

IP54

Ethernet



- extremely effective, quick-reacting pneumatic outward transfer system
- separates metal also from slow back-pressure material columns
- device-specific material throughput of up to 5,400 l/h
- extremely flat mounting height
- optionally high-temperature application

METAL DETECTORS - SEPARATORS

for bulk material

Compact series

Digital2

M-Pulse2

IP54

HT 200°C

Ethernet



- ultra-compact design
- maintenance-free separation system only for bulk materials
- device-specific up to 5,400 l/h material throughput
- compressed-air ejection
- optionally high-temperature application

SE - series

Digital2

M-Pulse2

MESEP

IP54



- extremely sturdy and compact aluminium housing
- device-specific material throughput of up to 14,000 l/h
- extremely quick-responding ejection unit made of stainless steel

Extraktor series

MESEP

Digital2

M-Pulse2

IP54

IP65

Ethernet



- unique ejection system for integration in suction conveyor – the pipe system
- remains closed during the ejection of metal impurity!
- easily integrated into the suction conveyor line with hose connection
- adjustment-free separating, irrespective of material speed
- device-specific material throughput of up to 3,300 l/h
- optionally in wear-resistant model

METAL DETECTORS - SEPARATORS

for bulk material or similar

GFS - series

Digital2

M-Pulse2

IP65

Ethernet



- compact design
- sensitivity for ferrous metals and non-ferrous metals from 0,6 mm
- calibration free
- various sizes and types available
- designed for installation in flow wrapping machines
- powerful electronic with product effect offsetting
- protection class IP65
- connection via Ethernet

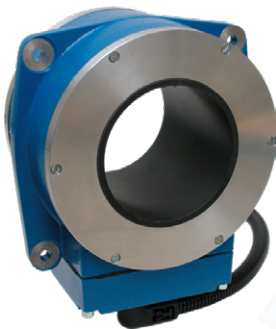
RG - series

Digital2

M-Pulse2

IP54

Ethernet

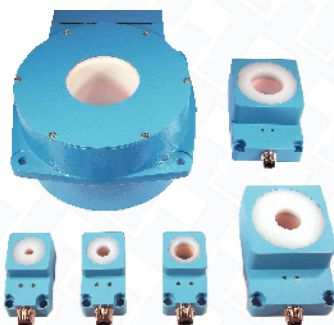


- compact design
- diameter 20 .. 100 mm
- sensitivity for ferrous and nonferrous metals up to 0,2 mm
- calibration free
- powerful electronic with product effect offsetting

KJR - series

MESEP

IP54



- wide delivery range, ring diameters from 6 mm to 300 mm
- plastic or metal housing
- integrated evaluation electronics with signal exit

METAL DETECTORS

for pipes and filling machines

Inline Series

M-Pulse2

M-Pulse3

IP69k

Ethernet



- easily integrated in pipeworks
- with flexible or rigid, high pressure-resistant pipe connection adapters
- various separating valves available (butterfly, arc valve)
- with CIP (Clean-In-Process) function

Inflex Series

M-Pulse2

M-Pulse3

IP69k

Ethernet



- available for all usual machines (e.g. Vemag, Handtmann, Frey, Risco, Rex)
- simple integration adapters for the most common sausage filler models
- optional ejection valves / wring-off
- easy dismantling for cleaning
- with CIP (Clean-In-Process) function
- ejection monitoring

CHECKWEIGHER / OPTICAL INSPECTION

for conveyors

Checkweigher CW3

CW3

IP65

Ethernet



- easy operation & clear visualisation
- calibratable / calibrated available
- HACCP, IFS-compliant logging
- simple to integrate into existing systems
- option to integrate calibration-free metal detector
- custom platform sizes, weighing zone and conveyor speeds für all applications
- all components made from stainless steel
- hygiene concept

Combi checker KCW3

M-Pulse2

M-Pulse3

CW3

IP65

Ethernet



- customer styled combination of metal detector and checkweigher

Optical inspection OI2

IP54

Ethernet



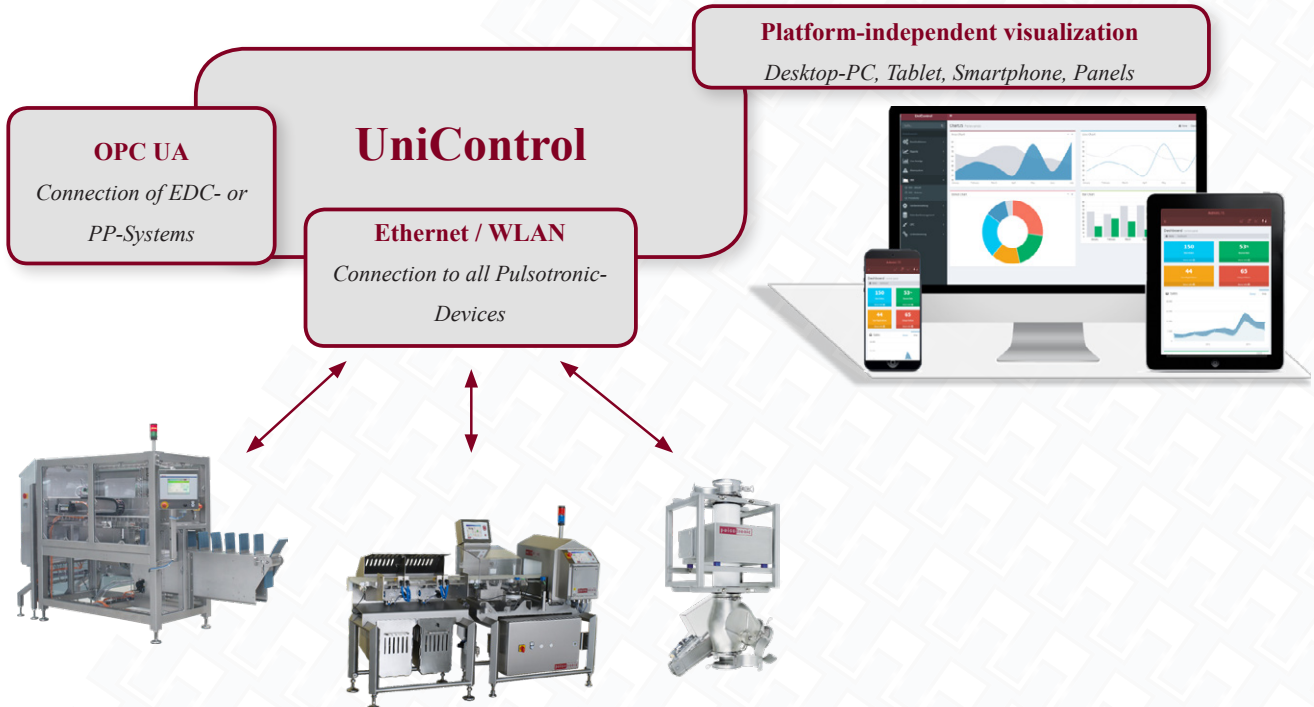
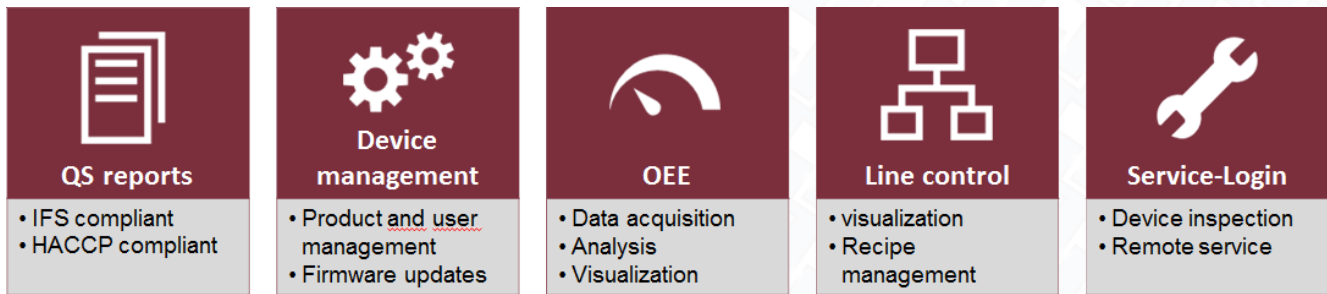
- universal optical testing system
- suitable for rigid and flexible film packaging
- packaging inspected on both sides (label, MHD, EAN, seal seam)
- HACCP, IFS-compliant logging
- simple to integrate into existing systems

SOFTWARE

for M-Pulse2 / M-Pulse3 / CW2 / CW3

Central network solution „UniControl“

- central data capture and analysis
- any number of users (multi-user system)
- data stored in an SQL server database
- connection to BDE or PP systems
- Webbased user interface
- suitable for Windows, IOS, Android or Linux (user interface)



SPECIAL MACHINES

for end-of-line solutions

Converger PV - series

Servo

PLC

OPCUA



- compact - efficient - universal
- well suited for all thermoforming machines
- machine interface OPCUA
- different models available
- up to 17 cycles/minute

Packaging machine PM - series

Servo

PLC

OPCUA



- secondary packaging machine for trays and thermoformed packs
- semi automated machines for simple application up to fully automated solutions available
- up to 160 products/minute
- enormous rationalization potential with short ROI

Conveyor HQ - series

IP65

IP69k



- all sizes and lengths with PU- or link chain belt available
- equipped with controlled and energy-efficient drives
- special solutions with numerous options and accessories
- elevating conveyors / curved belts / tilting belts and much more
- made from stainless steel

SOFTWARE

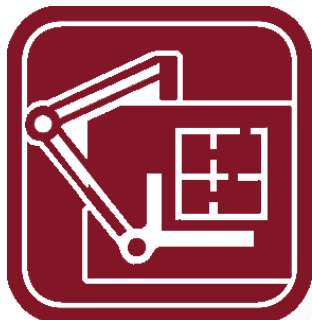
for M-Pulse2 / M-Pulse3 / CW2 / CW3

Service



- free telephone hotline
- broad network of distributors for on-site service
- VPN-Connection
- updates for soft- and firmware available
- annual testing service according HACCP / IFS
- large spare part inventory

Advice & Service



- expert advice - by telephone and on-site
- design and construction of customer's design and 3D-models
- loan units and devices for demonstration
- product tests



DISTRIBUTORS

International

Contact - Sales

Germany / International

Tel.: +49 (0) 37296 / 9383 524

Fax.: +49 (0) 37296 / 9383 521

Email: sales@pulsotronic-anlagentechnik.de

Inquiries and information will be forwarded to our internal sales and service partners by our head office. Please see also our website www.pulsotronic-anlagentechnik.de for more details.

North America Distributor:

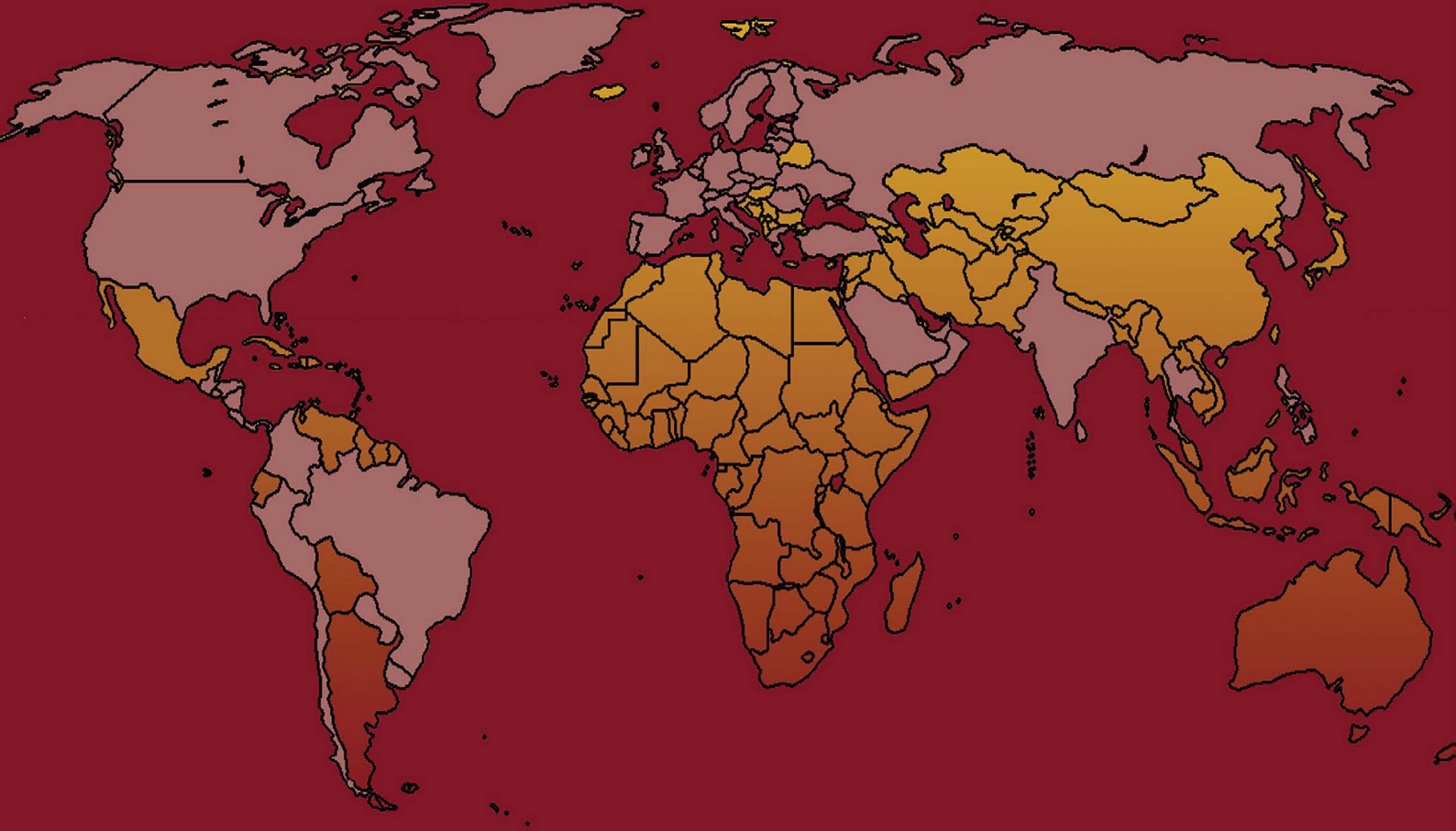


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