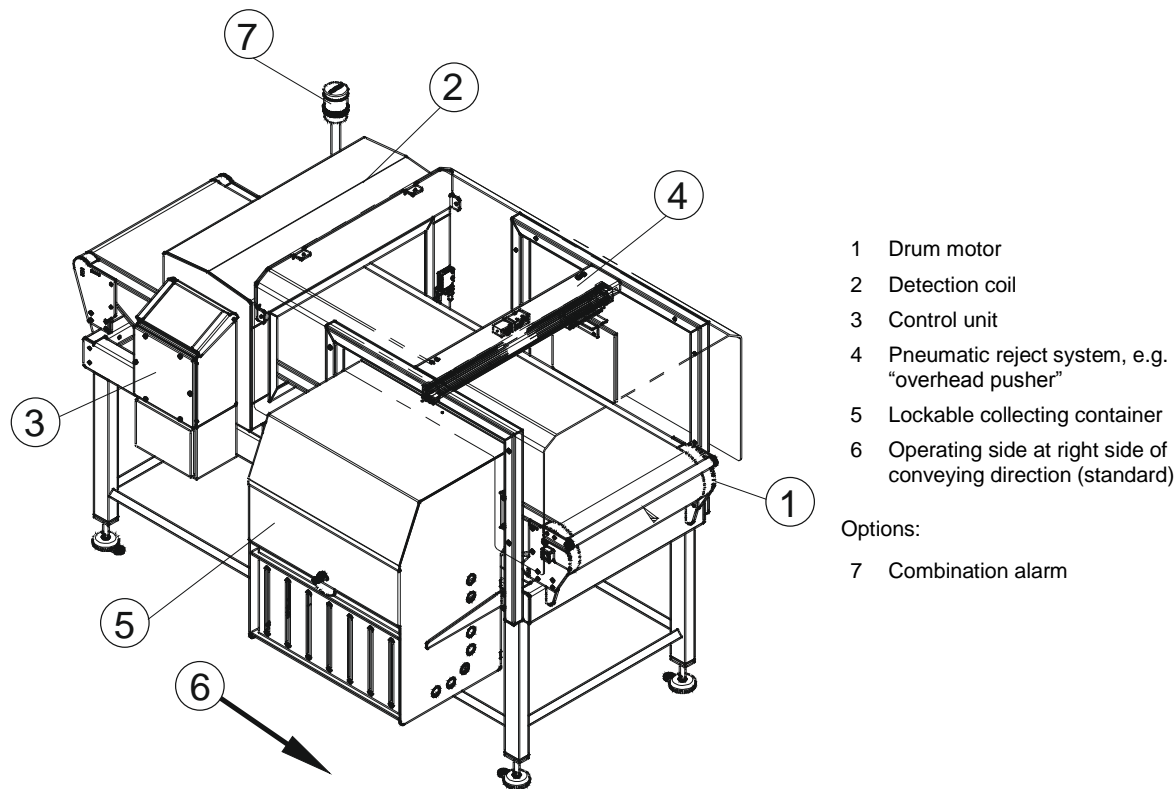


UNICON+W metal detection system

■ Special conveyor with link belt for customer-specific application Example with GLS GP detection coil



■ Technical data

Type	UNICON+W FBL/GB/DB/DH
Horizontal conveyor belt length FBL	depending on the application
Conveyor belt width GB	depending on the application, from 100 mm to 1000 mm in 100 mm steps
Coil aperture width DB	depending on the application
Coil aperture height DH	depending on the application
Max. product height (available aperture height)	coil aperture height – 50 mm
Max. product width	conveyor belt width
Scanning sensitivity	see data sheet of the respective metal detector

All dimensions in mm

■ Conditions of use

- Use:** For the inspection of packed products (non-metallic packing material), unpacked products and bulk materials
- Maximum loading:** 20 kg (up to belt width 400 mm) / 50 kg (from belt width 500 mm), valid only for horizontal conveying
- Product temperature:** -20° C to +80° C
- Ambient conditions:** -10° C to +40° C, 25% to 85% rH, no condensation
- Storage and shipping conditions:** -10° C to +50° C, 25% to 85% rH, no condensation

UNICON+W metal detection system

■ Standard design

Scope of delivery:	Interlinked conveyor inclusive electronic belt conveyor controller and GLS metal detector with attached Control Unit GENIUS+ (as an option with Control Unit SENSITY*) with reduced sensitivity) or C-SCAN GHF
Mechanical design:	Conveyor belt and metal detector made of stainless steel 1.4301 (AISI 304), glass bead blasted Open static frame construction with height adjustable base and fastening bore holes, made of stainless steel 1.4301 (AISI 304), glass bead blasted Drive rollers made of stainless steel 1.4301 (AISI 304), deflection and stretching rollers made of polyamide 6 (PA 6) natural Drive motor with thermo monitor PE-linkbelt (discretely exchangeable) white FDA quality, washable
Electrical design:	Combined controller and control panel for conveyor and metal detector Accessible wiring within the open static conveyor frame Main switch for the system, on / off switch for the belt conveyor, emergency switch
Operating voltage:	230 VAC (± 10%), 50/60 Hz, single-phase
Current consumption:	Max. 2.0 A (up to belt width 400 mm) / max. 4.5 A (from belt width 500 mm)
Motor power:	120 W (up to belt width 400 mm) / 150 – 370 W (from belt width 500 mm)
Mains cable:	1.8 m with 3-pole CEE plug blue (1L+N+PE)
Metal detector:	100 W
Type of protection:	Designed according to IP 65, NEMA 4
Reject systems:	“Stop on detect”, as an option with pneumatic pusher or air-blast nozzles (depending on the application, other reject systems on request) including control by way of position light barrier for accurate rejection (only with Control Unit GENIUS+)
Compressed-air connection (with pneumatic reject option):	6-8 bar, plug nipple NW 7.2

* Condition: fixed belt speed, definite distance of products and product length.

■ Operating side

- Right (standard) Left (option)

■ General Options / Accessories

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Visual alarm <ul style="list-style-type: none"> <input type="checkbox"/> Failure indication <input type="checkbox"/> Failure and metal indication <input type="checkbox"/> Audible alarm <ul style="list-style-type: none"> <input type="checkbox"/> Failure indication <input type="checkbox"/> Failure and metal indication <input type="checkbox"/> Combination alarm (visual alarm and audible alarm) <ul style="list-style-type: none"> <input type="checkbox"/> Failure indication <input type="checkbox"/> Failure and metal indication | <ul style="list-style-type: none"> <input type="checkbox"/> Input voltage 115 VAC (±10%), 50/60 Hz, single phase <input type="checkbox"/> Compressed-air monitor <input type="checkbox"/> Eject monitor <input type="checkbox"/> Level sensor for reject box <input type="checkbox"/> Guide beads <input type="checkbox"/> Mobile belt conveyor with four lockable castors Ø 125 mm <input type="checkbox"/> Roller diameter of 32 mm for belt width 400 mm to 600 mm (motor power max. 120 W) <input type="checkbox"/> Outfeed roll Ø 30 mm for belt width 700 mm or 800 mm |
|--|--|

■ Options / Accessories control unit GENIUS+

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Blue visual alarm for “AuditCheck” <input type="checkbox"/> Variable speed drive <input type="checkbox"/> 5.7" color touch-screen incl. USB interface (standard with C-SCAN GHF metal detector) <input type="checkbox"/> Multi frequency technology (used with few but very different products) to optimise the sensitivity (standard with C-SCAN GHF metal detector) <input type="checkbox"/> Infeed photo cell for product registration <input type="checkbox"/> Serial interface RS232 with plug (IP65, 4-pole) | <ul style="list-style-type: none"> <input type="checkbox"/> Serial interface RS485 with plug (IP65, 4-pole) <input type="checkbox"/> Ethernet interface (TCP/IP 100 Mbit/s, IP65, RJ45) <input type="checkbox"/> WLAN interface (802.11 b/g) with integrated aerial <input type="checkbox"/> Profi Bus <input type="checkbox"/> Central data management system <ul style="list-style-type: none"> <input type="checkbox"/> Software InsightLog.NET (saving log data) <input type="checkbox"/> Software Insight.NET (visualisation, logging, remote control and diagnosis) |
|--|---|

■ Options / Accessories control unit SENSITY

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Central data management system with software Insight Log.NET (saving log data) <input type="checkbox"/> Serial interface RS232 with plug (IP65, 4-pole) | <ul style="list-style-type: none"> <input type="checkbox"/> Serial interface RS485 with plug (IP65, 4-pole) <input type="checkbox"/> Ethernet interface (TCP/IP 100 Mbit/s, IP65, RJ45) |
|---|---|

■ Special versions

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Explosion-proof version for dust ATEX <input type="checkbox"/> IP 66/69K protection class <input type="checkbox"/> Inclined conveyor belt <input type="checkbox"/> Drive motors for heavier belt loads <input type="checkbox"/> Version with gear motor <input type="checkbox"/> Hopper at belt infeed <input type="checkbox"/> Sealed guide beads | <ul style="list-style-type: none"> <input type="checkbox"/> Conveyor belt with studs <input type="checkbox"/> Conveyor belt with V-strip profile <input type="checkbox"/> Blade edges <input type="checkbox"/> Reject system "flap at belt end" <input type="checkbox"/> Reject system "driven flap at belt end" <input type="checkbox"/> Reject system "retracting belt" <input type="checkbox"/> Reject system "swivel arm" |
|---|--|