



- Product Purity.
- Greater Security.
- Added Value.



## **VARICON+**

Conveyor based  
metal detection system



- ✓ **Space efficient metal detection system** for the inspection of a wide range of packaged and unpackaged piece goods
- ✓ **Standard model** with many predefined options
- ✓ **High stability, precision inline metal detection** with very short metal-free zone (MFZ)
- ✓ Versions for **dry** and **wet environment**

## Inspection of:

- Packed piece goods
- Hygienically safe unpacked piece goods



## Limitations:

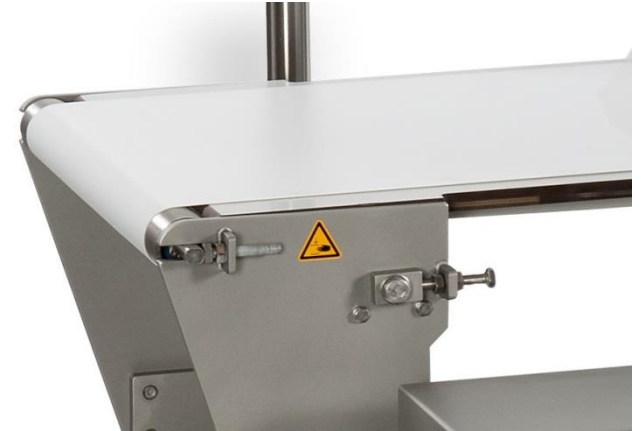
- Max. loading 20kg (up to belt width 400mm) respectively 50kg (from belt width 500mm)
- Max. product length: 250mm (belt width 200/300mm) respectively 450mm (belt width 400/500mm)
- Product temperature from -20°C to +65°C/+80°C

## Installation situation:

- Conveyor belt application
- Different reject systems are available (SOD, Pusher, Air blast nozzles)

- **Version D:**

- designed for dry areas
- with flat belt
- idle rollers with small diameter

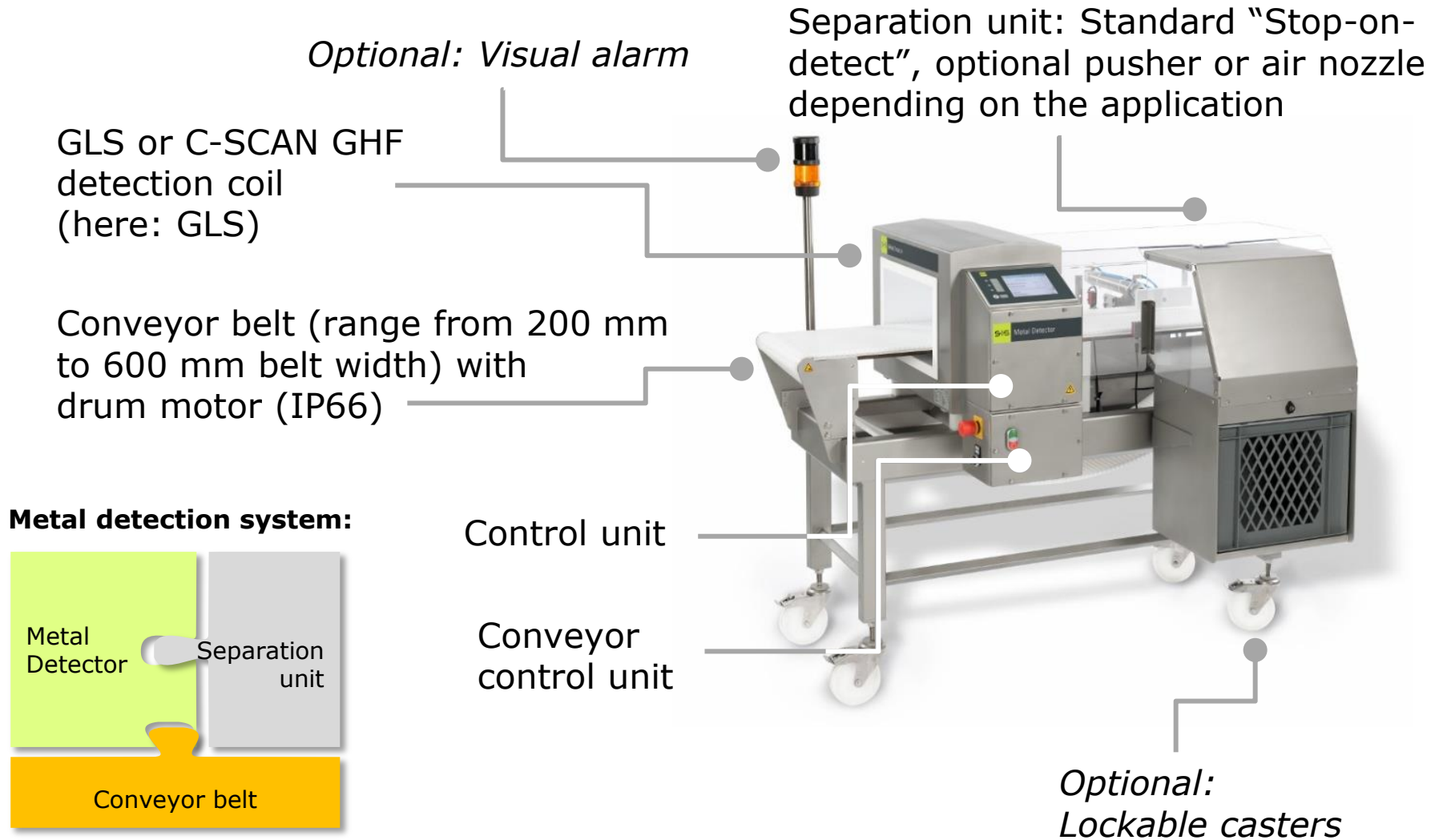


- **Version W:**

- designed for wet environments
- with chain belt
- with sliding rollers for chain belt  
→ no need for bearings



# System design | elements





**VARICON+ with GLS**



**VARICON+ with C-SCAN GHF**

|                      |  |  |
|----------------------|--|--|
|                      |  |  |
| Standard belt width  | 200, 300, 400, 600 mm  | 200, 300, 400, 500 mm  |
| Standard belt length | 1000, 1300, 1500 mm  | 1300, 1800 mm<br><i>(Conveyor belts are longer because of the larger MFZ of the C-SCAN GHF coil)</i>   |
| Standard options     | <ul style="list-style-type: none"> <li>• Pusher or air blast nozzle with collecting bin</li> <li>• Lockable castors</li> <li>• Conveyer belt extension up to 500 mm each side</li> </ul> | <ul style="list-style-type: none"> <li>• Pusher or air blast nozzle with collecting bin</li> <li>• Lockable castors</li> <li>• Conveyer belt extension up to 500 mm each side</li> </ul> |



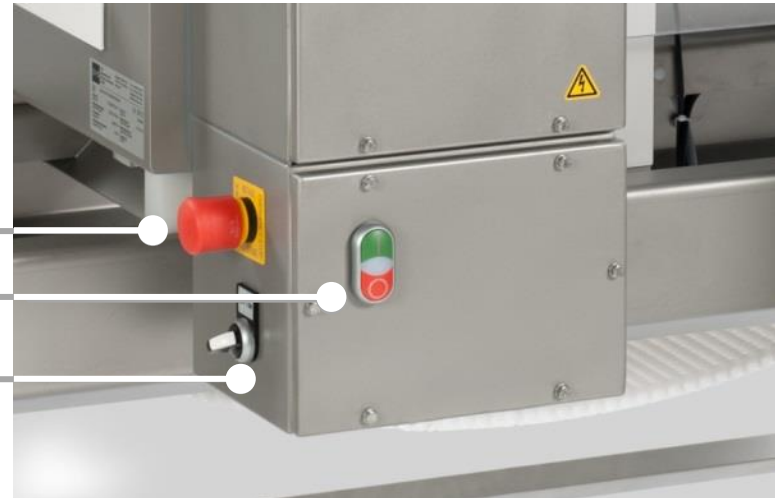
- Control unit of the belt conveyor **fixed mounted** on the control unit GENIUS+
- Including: EMC filter, 230 VAC, stainless steel housing, integrated fuses, contact bar for customer contacts

## VARICON+ with GLS

Emergency stop

Start – Stop  
of the belt conveyor

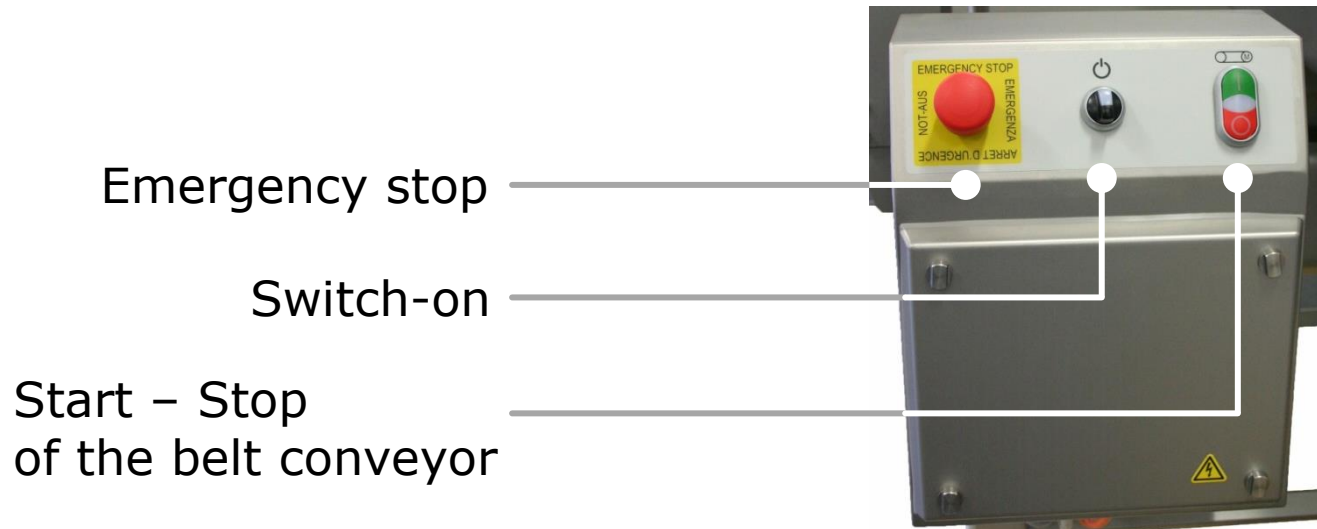
Main switch





**VARICON+ with C-SCAN GHF**

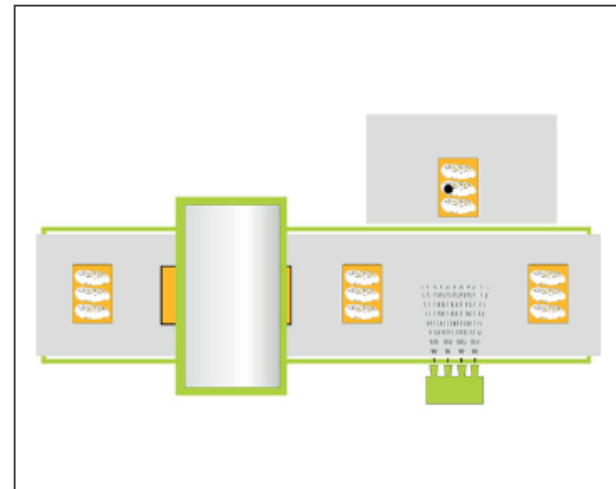
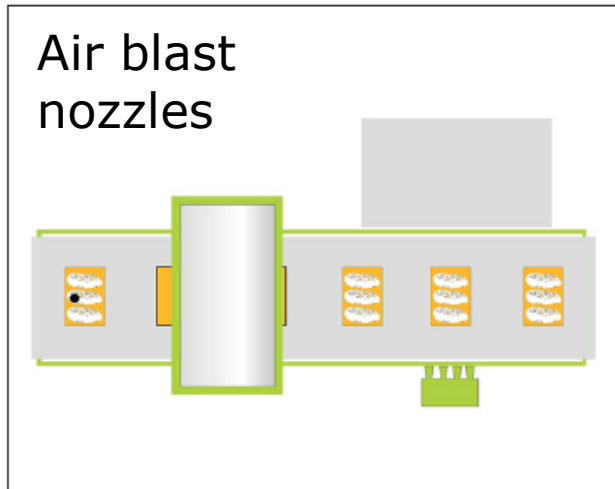
- Control unit of the belt conveyor in a **separate housing** in **hygienic design**
- Including: EMC filter, 230 VAC, stainless steel housing, integrated fuses, contact bar for customer contacts

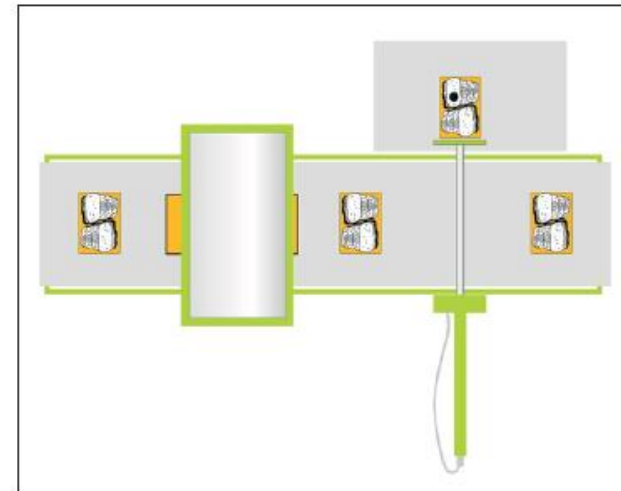
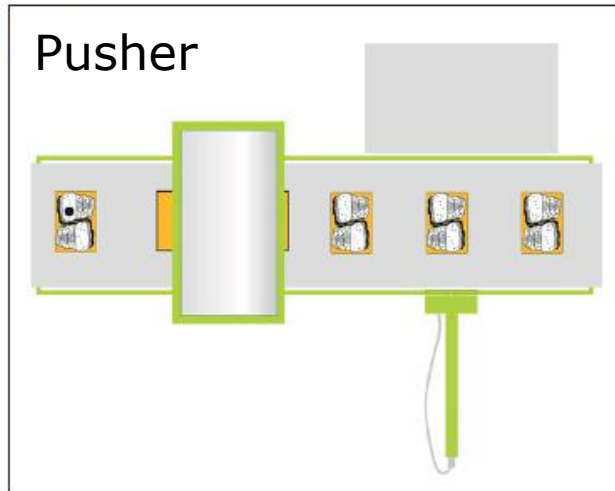






- Infeed photo cell for product registration







*VARICON+ for the inspection of noodles*



- ✓ Optimal matching of all components leads to **high reliability and detection accuracy**
- ✓ Available in a **wide range of varieties**
  - ✓ Different **kinds and sizes** of detector heads
  - ✓ Different **installation lengths and widths** of the conveyor belt
  - ✓ **Version** for dry and hostile areas
- ✓ **Rugged construction** with hygienic open section framework leads to **hygienic design**
  - ✓ **Open J-Profiles** made in stainless steel, surface glass bead blasted
  - ✓ **Wiring within** the J-profile frame → Easy cleaning, no critical protective hose
  - ✓ Compliant with **BRC, IFS** and **HACCP**

Thank you very much for your attention.

