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Rev. 0801

# Inspection system (standard) Belt conveyor & detector Digital+ BD **HQW**

## Application

The conveyor plants of the HQW series can be used universally in all industrial sectors due to high-performance electronics with fade-out of product effect, digital filters and different mechanic designs. The advantages of this series are the easy handling and the robust stainless steel construction. The series is ideal for the fast and safe inspection of singular products on metallic contamination. According to our philosophy we place great value in longevity. The frame construction is fully capsuled. The entire device corresponds to protection class IP 65.



Inspection system HQW

## Function

The conveyor belt leads the test material through the sensor which examines the material on metallic contamination. If metallic pieces are detected, the operating electronics signalises this. Normally the band stops and the contaminated product can be removed. Furthermore there are electric signals available for piloting ejectors.

## Specific characteristics

- easy handling
- height adjustable stands
- different sensor dimensions available
- protection class IP65
- fade-out of product effect
- clean and solid treatment

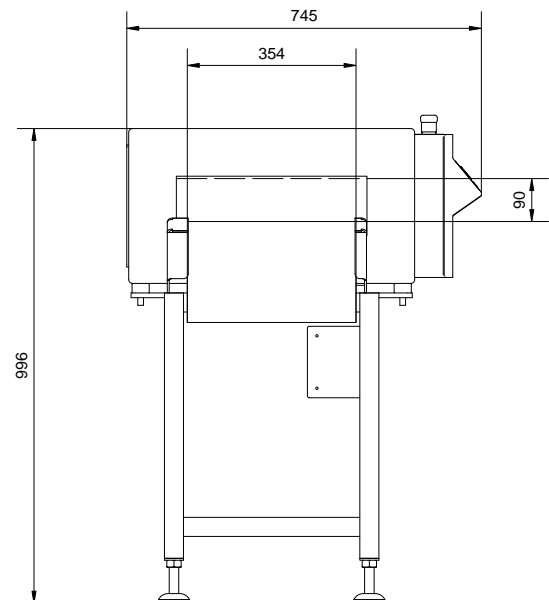
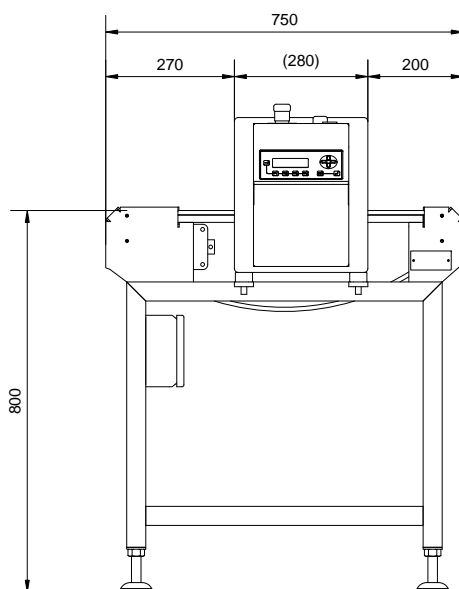
## Equipment

The conveyor plant with integrated metal-free zones is powered by a fully capsuled gear motor. The conveyor height is at 800 mm. By adjusting the disc stands the height can be varied about  $\pm 50$  mm. The belt consists of an open PE link chain (FDA/USDA). The electronics allows an effective fade-out of the product effect and the elimination of interferences by digital filters. The entire frame construction, the sensor and the switch cabinet are made of stainless steel.

## Technical data

Electrical data	
Electrical connection	230 VAC; 50 Hz; 100 W
Conditions of use	
Protection class	IP 65
Operating temperature	0° .. 50°C
Conveyor height	800 $\pm$ 50 mm
Conveyor width	350 mm
Fördergeschwindigkeit	22 m/min
max. load	10 kg
Sensitivity <sup>1</sup>	Fe: 1,2 mm SS: 1,8 mm
Weight	120 kg
Order information	
Order number	08410207300
When ordering please specify the detector height (100; 125; 200 mm)!	

## Dimensions



<sup>1</sup> The sensitivity depends on: the detectors' dimensions, the product type, the product quantity, the package weight. Obliging information can only be given when a product test has been effected.