

# Test Report

No. 1504V039

Company:	Control Technology	
Project:	Cheese for M&S	
Unit:	C- Scan GHF 250/150 GLS 250/150 Genius+	
Customer requirements:	<input checked="" type="checkbox"/> Maximum detection sensitivity assessment	
	<input type="checkbox"/> Customer sample evaluation	
	<input type="checkbox"/> Inverse metal detection	
	<input type="checkbox"/> Rejected material assessment	
	<input type="checkbox"/> Separation of magnetic contaminants	
	<input type="checkbox"/> Customer's specification	
	Ø Ferrous (Fe)	
	Ø Stainless steel (V2A)	
	Ø Non ferrous (NFe)	
S+S contact:	Kölbl Patrick	

Product:	Product 1	Product 2	Product 3	Product 4	Product 5
Product:					
Conveying speed [m/s]:	0.3m/s	0.3m/s	0.3m/s	0.3m/s	0.3m/s
Product dimensions in conveying direction l x w x h [mm]:	230x100x60	225x125x25	225x125x25	140x100x20	140x100x20
Product weight [g]:	1000	200	200	200	200
Product distance [mm]:	no info	no info	no info	no info	no info
Product temperature [°C]:	5	5	5	5	5

### Detection sensitivity after automatic train of product 1

		GHF 250/150	GLS 250/150
Ø Ferrous	[mm]	1,19	1,0
Ø Stainless steel (AISI 304)	[mm]	1,8	3,0
Ø Non ferrous (Brass)	[mm]	1,5	1,5

#### Parameter of the test unit

Detection frequency:	9	6
Electronic sensitivity:	95%	91%
Sensitivity range:	high	high
Product compensation:	15,8°	85,6°

### Detection sensitivity after automatic train of product 2+3

		GHF 250/150	GLS 250/150
Ø Ferrous	[mm]	0,79	1,0
Ø Stainless steel (AISI 304)	[mm]	1,8	3,0
Ø Non ferrous (Brass)	[mm]	1,2	1,5

#### Parameter of the test unit

Detection frequency:	9	8
Electronic sensitivity:	95%	91%
Sensitivity range:	high	high
Product compensation:	154,5°	77,2°

### Detection sensitivity after automatic train of product 4+5

		GHF 250/150	GLS 250/150
Ø Ferrous	[mm]	0,79	1,0
Ø Stainless steel (AISI 304)	[mm]	1,8	3,0
Ø Non ferrous (Brass)	[mm]	1,2	1,5

#### Parameter of the test unit

Detection frequency:	9	8
Electronic sensitivity:	93%	90%
Sensitivity range:	high	high
Product compensation:	152,7°	80,2°



The information contained in this document is only relevant to the sample material.  
The operating sensitivity was tested in the middle of the coil (worst position).  
This information may not be valid in case of product material change and any external or atmospheric effects.

In case of ordering our device, send the test report number to the respective indoor service employee, please.