

Metal detectable plastic is an important necessity to all types of food processors. Many would never consider allowing pens, electric ties, and plasters within the hygienic zone if they were not detectable.

While Volta Belting’s materials are resistant to cuts and breakage, food grade metal detectable belts have been developed to meet high demands and to give quality assurance and production teams the confidence in knowing that their products will meet the strictest food safety requirements.

Detectability is determined by contaminant type, size, the size of the detector’s aperture, the orientation of the detectable material, and the frequency at which the detector is calibrated. Small particles may pass undetected if the food product has a similar phase angle to the contaminant (dry and moist products produce different signals), or if the particle passes through the center of a sufficiently large detector.

Metal detectable (MD) Positive Drive Belts									
SuperDrive™ Metal detectable Belt									
Product & Color	Shore Hardness	Temperature Range	CoF steel (bottom)	Thickness (mm)	MPD		Max.PF		Certifications
					mm	inch	Kg/cm	Lbs/in	
FMB-SD-MD	53D	-20° to 60°C -5°F to 140°F	0.50	3	100	4"	6	33.60	FDA/USDA/ EU
DualDrive™ Metal detectable Belt									
FMB-DD-MD	53D	-20° to 60°C -5°F to 140°F	0.50	3	100	4"	6	33.60	FDA/USDA/ EU

Metal detectable (MD) Food Conveying Belts									
Flat, Homogenous Metal detectable Belts									
Product & Color	Shore Hardness	Temperature Range	CoF steel (bottom)	Thickness (mm)	MPD		Max.PF 1%		Certifications
					mm	inch	Kg/cm	Lbs/in	
FMB- MD	53D	-20° to 60°C -5°F to 140°F	0.50	2	50	2"	2.40	13.44	FDA/USDA/ EU
				3	75	3"	3.60	20.16	
				6	150	6"	7.20	40.32	
Flat, Homogenous Embossed Bottom Metal detectable Belts									
FEMB- MD	53D	-20° to 60°C -5°F to 140°F	0.30	2	50	2"	1.70	9.50	FDA/USDA/ EU
				3	75	3"	2.50	14	

Volta Belting Ltd. recommends testing all the products in your environment to ascertain suitability. The information is supplied in good faith without warranty.