

iMD basic

High reliability and much flexibility for your quality assurance: The metal detector entry level model iMD basic with integrated conveyor belt and its robust design is ideally suitable for the food sector. Rely on safe detection of enclosed contaminations such as steel, stainless steel or non-ferrous metals like aluminum for packaged and non-packaged products.



More information
High performance
with a wide range of
solutions and options.

Specifications	Facts	Details
Use	Examination of – packaged products – Piece goods	
Product temperature	-10 °C to +50 °C	
Ambient conditions	0 °C to +40 °C 25% to 85% RH, non-condensing	
Mechanical design		
Frame construction	Modular frame construction with side parts and connecting studs incl. four height-adjustable feet Version: Stainless steel 1.4301/AISI 304, brushed Transport height with adjustable feet: 750 to 1,125 ±30 mm 780 to 1,125 ±30 mm Transport height with castors: 825 to 1,200 mm ±30 mm 880 to 1,200 mm ±30 mm	Conveyor belt widths: 150 x 750 mm / 300 x 750 mm 400 x 1,000 mm 400 x 1,000 mm 150 x 750 mm / 300 x 750 mm
Conveying technology	Flat belt conveyor with a deflection diameter of 32 mm and quick change system Maximum belt load 20 kg Belt speed from 0.3 to 1.29 m/s	
Belt	Conveyor belt widths: 150 mm 300 mm 400 mm PU coated fabric belt, white and blue version	FDA, DIN EN10/2011 quality
Metal detectors	Single Frequency (SF G2) and Multi Frequency (MF) Stainless steel 1.4301 / AISI 304, glass beaded finish Tunnel dimensions for dry products max. 400x200 (WxH). For moist products max. 400x200 (WxH)	Exceeding these values may affect detection accuracy.
Search frequencies	SF G2: Search frequency optimized for dry products MF: Three available frequencies depending on the nature of the product	

Electrical design		
General	Operating unit on the metal detector Separate control cabinet for conveyor technology operation	
Interfaces	Ethernet	Network integration - e.g. data preparation for BRAIN2 or perhaps remote maintenance options
Operating unit metal detector	5.7" color touch screen	
Separate control cabinet	ON/OFF switch system ON/OFF switch conveyor Reset button Emergency stop	Control cabinet for conveyor technology operation For metal detection set to belt stop by factory
Mains cable	3 m	Mains cable with safety plug
Operating voltage	230 V AC ($\pm 10\%$) 50/60 Hz	single phase
Power consumption	Up to 10.0 A	
Motor power	120 W	
IP rating	IP65	
Options	Facts	Details
Warning device	Signaling column for 1 to 5 elements per signaling column element	Red (flashing light): Fault Yellow (continuous light): Stop Green (continuous light): Belts running Blue (continuous light): Audit check Acoustic signal (horn): Fault
Light sensor on feeding belt	For product detection	For counting of the products and for calculation of the Overall Equipment Efficiency (OEE)
Package alignment	For product centering	Guide rails with adjustable position and angle Height 80 mm, material POM
Casters	Four lockable guide rollers	For flexible use of the system Wheel \varnothing 100mm
Belt	Blue	Belt color blue for better recognition in the hygiene area
Software	BRAIN2	For details see separate document

Info graphics

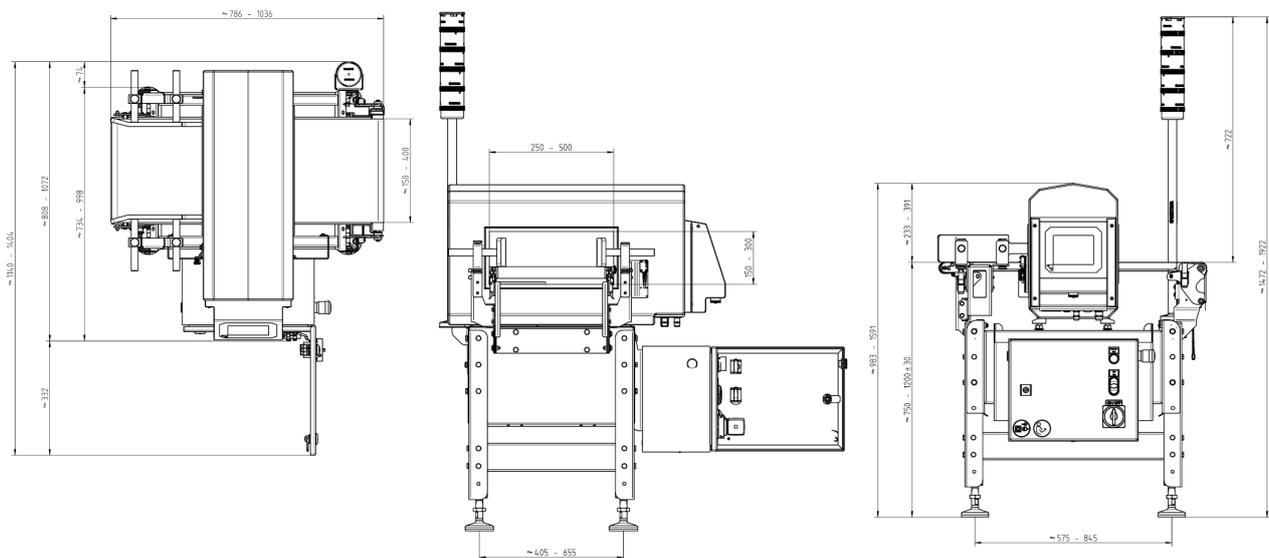


Symbols



IP rating Stainless steel

Dimensional drawings



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