

The metal detection system iMD pro with integrated conveyor contributes to your quality assurance in a reliable and flexible manner. With its robust design it 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.

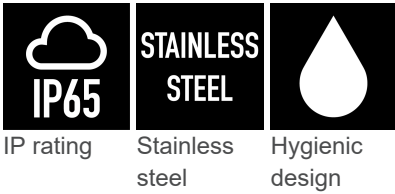
Specifications	Facts	Details
Use	Examination of – packaged products – Piece goods	
Product temperature	-20 °C to +65 °C -10 °C to +50 °C	iMD pro SF, iMD pro MSF iMD pro MF
Ambient conditions	0 °C to +40 °C 25% to 85% rF, non-condensing	
Mechanical design		
Frame construction	Modular frame construction with side parts and connecting struds incl. four height-adjustable feet For product centering in the tunnel the height adjustment of the metal detector is infinitely variable Version: Stainless steel 1.4301/AISI 304, brushed Transport height: 750 to 1,150 ±50 mm	With casters +100 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	PU coated fabric belt, white and blue version	FDA, DIN EN10/2011 quality
Metal detectors	Single-frequency (SF) Multi-frequency (MF) Multisimultaneous frequency (MSF) Stainless steel 1.4301 / AISI 304, glass beaded finish	
Electrical design		
General	Operating unit on the metal detector Separate control cabinet for conveyor technology operation	
Operating unit metal detector	LCD monochrome display, optional 7" color touchscreen incl. USB connection 5.7" color touchscreen 7" color touchscreen incl. USB connection	iMD pro SF iMD pro MF iMD pro MSF
Separate control cabinet	ON/OFF switch system ON/OFF switch conveyor Reset button	Control cabinet for conveyor technology operation

	Emergency stop switch	
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 5.0 A	
Motor power	120 W	
IP rating	IP65	
Options	Facts	Details
Food Safety Package Advanced	Compressed air monitoring Ejection monitoring Reject bin fill level monitoring Signaling column Bin fill level monitoring Protective hood Fail safe test device	For iMD pro MF and iMD pro MSF available with rejection system 1 horizontal light sensor One light sensor 310 mm above bin base Signal lamps green, red, blue
Food Safety Package Premium	Includes advanced components with four light sensors for ejection monitoring (vertical)	For iMD pro MF and iMD pro MSF available with rejection system
Rejection system	Pusher Air-jet nozzle Double air-jet nozzle Reject bin width 400 mm Reject bin width 600 mm Protective cover Deflectors (W x H) Brush for deflector Compressed air tank 5 l General information	for products of up to 6 kg for products of up to 400 g for products of up to 600 g for products up to 350 mm long depending on the belt speed for products up to 550 mm long depending on the belt speed Via conveyor, reject bin side 130 x 55 mm or 230 x 80 mm 350 x 80 mm (optionally) Deflectors width and each 70 mm height Recommended for air-jet nozzle or double air-jet nozzle Compressed air connection 6-8 bar Plug NW 7.2
Sensor packages for rejection systems	Compressed air monitoring Ejection monitoring Reject bin fill level monitoring Package flow control	One or four light sensors on the bin One light sensor 310 mm above bin base At the end of the conveying system, only in connection with iMD pro MF and iMD pro MSF
Warning device	Signaling column for 1 to 5 elements per signaling column element permanent LED light or flashlight	Red (flashing light): Interference Yellow (continuous light): Stop Green (continuous light): Belts running Blue (continuous light): Audit check Acoustic signal (horn): Interference
Interfaces	Ethernet (TCP/IP)	

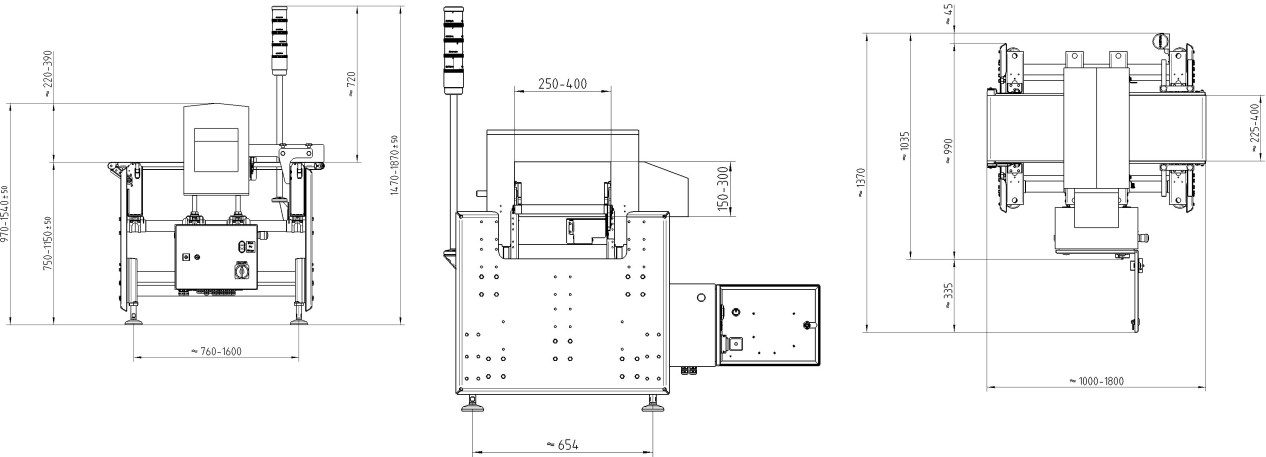
	RS232	Only available for iMD pro SF
Package alignment	For product centering	Guide rails with adjustable position and angle Height 80 mm, material POM
Guide rollers	Four lockable guide rollers	For flexible use of the system Transport height 100 mm Wheel Ø 125mm

Info graphics

Symbols



Dimensional drawings



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