

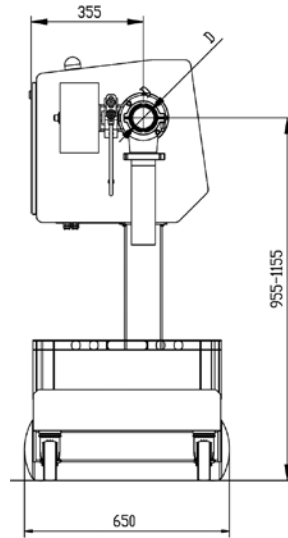
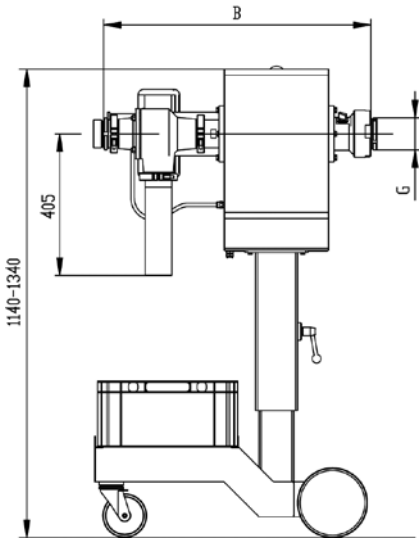
IMD

Integrated Metal Detector



innovative · reliable · leading





- Highly-sensitive inline metal detector, stainless steel
- Separation of contaminants possible by porting out or porting through
- Short installation lengths
- Controlled via the ICA's or FCA's EASY TOUCH control panel
- Measuring parameters integrated into the automatic clipper's product parameter settings
- Fulfils the requirements of IFS and HACCP

Applications

By means of the metal detector, metal impurities from pumped, liquid and pasty products can be easily and reliably detected and separated.

Advantages

- Maximum port-out security by central control of all processes in the ICA or FCA
- Safety due to different signal transmitters: Optical by means of lights on the housing and the display, acoustic by means of warning tone
- Automatic learning: measuring parameters are determined product specifically
- Safe functioning: can be checked at any time by simply porting in test specimens into the product flow
- Blue test specimens for easy detection of material to be extracted
- Safe handling due to forced decoupling of the compressed air supply
- Easily fitted by means of quick release connectors to vacuum fillers

- and pumps up to nominal diameters of 100 mm
- Gas spring supported height adjustment without exerting force
- Stand has high stability and easily steerable wheels
- All parts of stainless steel or robust industrial plastic
- Moving parts can all be easily removed for ease of cleaning
- Porting-out valve for separation of the contaminated material
- Exclusively supplied in combination with the ICA and FCA 50/120/160

Function and operation

The metal detector is mechanically and electrically connected between a filling machine and the ICA or FCA automatic double-clippers. All measuring parameters and functions are controlled via the double-clipper's display. Detected contaminants are captured by automatic

stopping of the filler. Porting-out and through-porting are available.

Porting out – via a ball valve in a commercial standard container directly at the detector. The product with the metal part is only removed from the product flow when the porting-out valve has been switched. This can take place either based on a time or a portion control.

Through-porting – filling the contaminated products into casings with two possibilities:

- The clip signal can be suppressed. The portions are therefore extra long. The operator can then just select the contaminated product visually.
- The portions can be filled in "normal sizes". In this case, the filler is stopped, the signal light flashes and, additionally, a signal sounds. Filling and clipping then continues on a time or portion basis before the filler is stopped again. The portions can now be removed and marked.

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Technical Data		IMD 2	IMD 3	IMD 4
Width:	mm	705	815	955
Depth:	mm	650	650	650
Height: adjustable	mm	1,140+200	1,140+200	1,140+200
Weight:	kg	145	150	185
Supply voltage:	VAC	230/115 (50/60 Hz)		
Power consumption:	W	30	30	30
Fuse connection:	A	10	10	10
Compressed air:	bar	5 - 8	5 - 8	5 - 8
Air consumption:	NL	0,5	0,5	0,5
Mating threads: G		RD80x1/4"	M80x4	TR120x4,23
Fitting width: B	mm	705	792	955
Free product passage: D	mm	50	68	94
Sensitivity without product				
Steel:	mm	0,77	0,77	1,00
Stainless steel:	mm	1,09	1,09	1,45
Non-ferrous metals:	mm	0,85	0,85	1,14