

IMC METAL DETECTOR & CHECKWEIGHER COMBINATION SYSTEMS



Automatic reject options remove product from your line without down time.

IMC Metal Detector and Checkweigher Combination Systems are extremely durable and robust, featuring high sensitivity and the ability to detect a wide range of metal contaminants. Use these systems to dynamically weigh products to an accuracy of ± 0.02 ounces. Compact size allows both metal detection and check weighing in tight spaces that may not normally accommodate separate machines.

The IMC series is easy to operate, incorporating user friendly features such as auto-product learning. Fabricated from heavy gauge 304 stainless steel, the IMC is ideally suited for even the most demanding production conditions. Advanced auto-balancing allows the IMC to perform at a consistently high level for years without extended re-balancing.

Applications

- Use to detect all metals, including ferrous, non-ferrous, and stainless steel
- Use to ensure packages are filled to specified weight standards
- Ultimately facilitates the acceptance or rejection of products according to user-specified standards

Features

- **Compact design** – ideal for workshops with limited space; saves space and installation costs
- **Easy installation** – metal detector and checkweigher are connected in one frame, simplifying workshop installation
- **Auto-balancing** ensures system always operates at peak capability
- **World leading componentry** – SEW, Toyo and Oriental Motor conveyor motors
- **Multilingual user interface**
- **Multiple product programming and easy changeover**
- **Heavy-duty construction** – full brushed 304 stainless steel construction (316 SS optional)
- **USB data port** – MS Excel format export
- **Password protected; multiple user authorization levels**
- **Reject belt stop, 3-tier lamp and audible alarm**
- **Quick and easy auto-learn product programming**
- **Composite product guide rails**

	IMC-230S	IMC-230L	IMC-300
Detection Range:	20-2000g	20-2000g	20-5000g
Accuracy (3σ):	±0.2g	±0.2g	±0.5g
Max Throughput:	200 pcs/min	155 pcs/min	140 pcs/min
Metal Detector Window Height:	Customizable up to 330mm		
Operator Interface:	Touchscreen		
Product Width (max.):	220mm	220mm	290mm
Product Length (max.):	250mm	350mm	400mm
Product Memory:	100 Programs		
Max Belt Speed:	70m/min		
Reject Options:	Auto Reject (Optional: Airblast, Pushbar & Flipper Rejects)		
Power Supply:	AC110V		
Air Supply:	58-116 psi		
Working Environment:	Temperature: 32~104°F; Humidity: 30-85% (no dew)		
IP Rating:	IP54, IP66		
Construction:	304 Stainless Steel; Brushed or Mirrored Finish		
Interval:	0.1g	0.1g	0.2g
Data Export:	USB/Ethernet		

Note: Product models and specifications are subject to change. For more information, contact TDI Packsys.

TDI Packsys

TDI Packsys is a premier provider of inspection solutions and packaging automation systems. Our expert team is dedicated to delivering state-of-the-art solutions that meet your budget. Contact us to see how we can help optimize your operation.



There's More

Inspection Systems

- Metal Detectors
- Checkweighers
- Combo Systems
- X-Rays
- Color Sorters
- Vision Systems

Packaging Automation

- Palletizers
- Form, Fill & Seal
- Scaling & Dosing
- Flow Wrappers
- Robotic Packing