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**GM SERIES
CHECKWEIGHER**

GM-F1 CHECKWEIGHER

Stainless steel frame is optional

- Feature
- ◆ Compact and reliable structure design
 - ◆ Weighing range 15kg,35kg, 60kg and 100kg.
 - ◆ Accuracy ±10g
 - ◆ Module design
 - ◆ Automated rejection control to remove overweight product
 - ◆ Throughput 30~80pcs/min, the highest throughput 100pcs/min
 - ◆ Continuous error alarm
 - ◆ Product stacking alarm.

- Application
- ◆ Mainly for heavy product in paper box, pallet and bags.



Technical Specifications

Specifications \ Models	GM-F1-D15	GM-F1-D50	GM-F1-D60	GM-F1-D100
Weigh Range kg	15	50	60	100
Throughput pcs/min	100	80	50	30
Accuracy 3σ*g	±10	±20	±30	±50
Belt length (L) mm	500/600	600/800	800/1000	1000/1200
Belt width (B) mm	300/400	400/500	500/600	600/800
Product height mm	400~900 (±50) customized			
IP class	IP54			
Rejection device	Push plate rejector,arm rejector			

- ◎ 3 sigma statistic accuracy:99.73% product meet accuracy requirement
- ◎ Accuracy and throughput are related to product weight, size, wind, vibration and stable transport.

GM-F2 SERIES CHECKWEIGHER

Stainless steel frame is optional

Feature

- ◆ Applied 3 plate module design and reliable compact design
- ◆ Weighing range≤3000g, highest throughput 300pcs/min
- ◆ Highest accuracy up to ±0.05g
- ◆ 10 inch touchscreen, 100% onboard weighing check, real-time data storage, automated rejection.
- ◆ With up to 100 prescription setting, weight statistic and analysis
- ◆ Countinuous wrong alarm
- ◆ Product stacking alarm

Application

- ◆ It's mainly used in small and middle range product packaged in box, bottle, bag, can and pallet, which is best solution for medicine,food and daily chemical field.



Technical Specification

Specification \ Model	GM-F2-D200	GM-F2-D600	GM-F2-D1200	GM-F2-D3000
Weigh Range g	200	600	1200	3000
Accuracy 3σ* g	±0.05	±0.1	±0.2	±0.3
Interval value g	0.02	0.05	0.1	0.1
throughput pcs/min	300	200	200	150
Belt length (L) mm	200/300	200	200	200
Belt width (B) mm	80/150	300/400	300/400	300/400
Belt axle diameter mm	13	38	38	38
Input and output length(L) mm	200/300	300/400	300/400	300/400
Production line height mm	500~800 (±50) customized			
IP class	IP54			
Rejection device	Air jet, push plate, arm rejector			
Optional accessories	<input type="checkbox"/> statistic software for PC <input type="checkbox"/> Transparent wind shield <input type="checkbox"/> Stainless steel collection box			

- ◎ 3 sigma statistic accuracy:99.73% product meet accuracy requirement
- ◎ Accuracy and throughput are related to product weight, size, wind, vibration and stable transport.

GM-F3 SERIES CHECKWEIGHER

Stainless steel frame is optional

Feature

- ◆ Weigh range≤600g, throughput rates up to 200pcs/min
- ◆ High accuracy ±0.2g
- ◆ Module design and customized rejection device
- ◆ 10 inch touchscreen, 100% onboard weight checking and automated rejection control.
- ◆ More than 100 prescription setting, weighing statistic and analysis.
- ◆ Continuous wrong alarm
- ◆ Product stacking alarm

Application

- ◆ Mainly used in small product production line, customizing is optional.



Technical Specification

Specification	Model	GM-F3-D600
Weigh range g		600
Throughput pcs/min		≥180
dynamic accuracy 3σ* g		≤±0.5
Belt width mm		200
Belt length mm		300
Input length mm		300
Output length mm		300
Roller diameter mm		38
Production line height mm		600~1000 (±50)
Rejection way		Drop down belt
Touchscreen		10 inch colorful LCD touchscreen
Basic frame		Stainless steel
Weighing technology		strain gage based sensor
Speed adjustment		Infinitely variable speeds adjustment, same speed for 3 plate.
Communication protocol		RS485、TCP/IP

GM-F4 SERIES GRADING CHECKWEIGHER

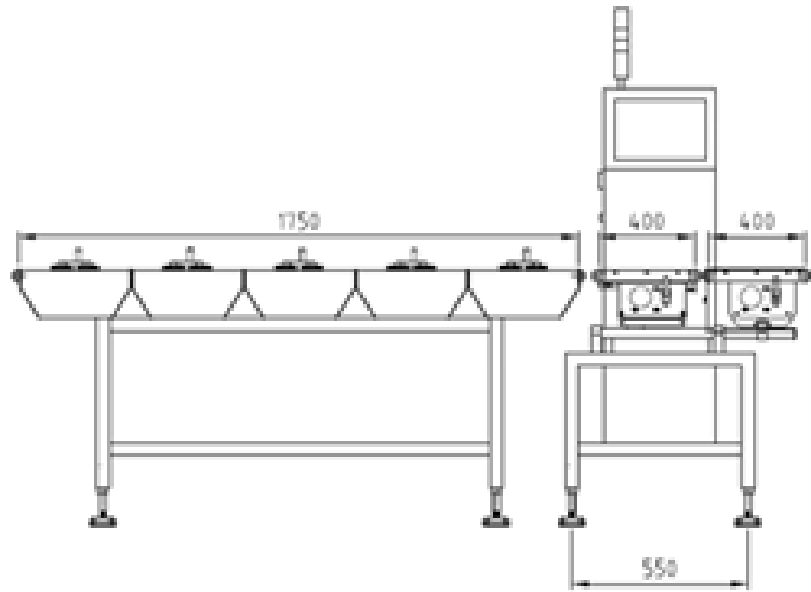
Stainless steel frame is optional

Feature

- ◆ GM-F4-D600 weigh range≤600g, throughput rates up to 200pcs/min
- ◆ Accuracy up to 0.1g
- ◆ Module design and customized rejection device.
- ◆ 10 inch touchscreen, 100% onboard weight checking, automated grading control.
- ◆ With up to 100 prescription, weight statistic and analysis.

Application

- ◆ Mainly used aquatic product and food grading



Technical specification

Specification	Model	GM-F4-8-D600
Weigh range g		600
Throughput pcs/min		≥180
dynamic accuracy 3σ* g		≤±0.1
Belt width mm		200
Belt length mm		400
Input length mm		400
Output length mm		400
Roller diameter mm		38
Production line height mm		600~1000 (±50)
Rejection way		Push plate
Touchscreen		10 inch color LCD touchscreen
Basic frame		Stainless steel
Weighing technology		Strain gage based sensor
Speed adjustment		Infinitely variable speed, same speed for multi plate
Communication protocol		RS485、TCP/IP

GM-F5 SERIES MULTI CHANNEL CHECKWEIGHER

Stainless steel frame is optional

- Feature
- ◆ Weighing range≤200g, throughput rates up to 600pcs/min
 - ◆ Accuracy up to 0.05g
 - ◆ Module design and customized rejector
 - ◆ 10 inch touchscreen, 100% weight checking, automated weight control
 - ◆ With up to 100 prescription setting, weight statistic and analysis.
 - ◆ Multi channel weight checking without interference.

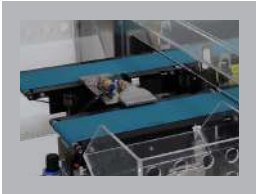
- Application
- ◆ Mainly used for high throughput field.



0.05_g
Accuracy



≤200_g
Weighing range



600_{pcs/min}
throughput rates up

Technical specification

Specification	Model	GM-F5-2-D200
Weigh range g		200
Throughput pcs/min		≥600
dynamic accuracy 3σ* g		≤±0.05
Belt width mm		80/150
Belt length mm		200/300
Input length mm		200/300
Output length mm		200/300
Roller diameter mm		13
Production line height mm		600~1000 (±50)
Rejection way		Air jet
Touchscreen		10 inch LCD color screen
Basic frame		Stainless steel
Weighing technology		Strain gage based sensor
Speed adjustment		Infinitely variable speed adjustment, same speed for multi plate
Communication protocol		RS485、TCP/IP

REJECTION WAY

Push Plate



For big size package

For middle size package

For small size package

Air Jet



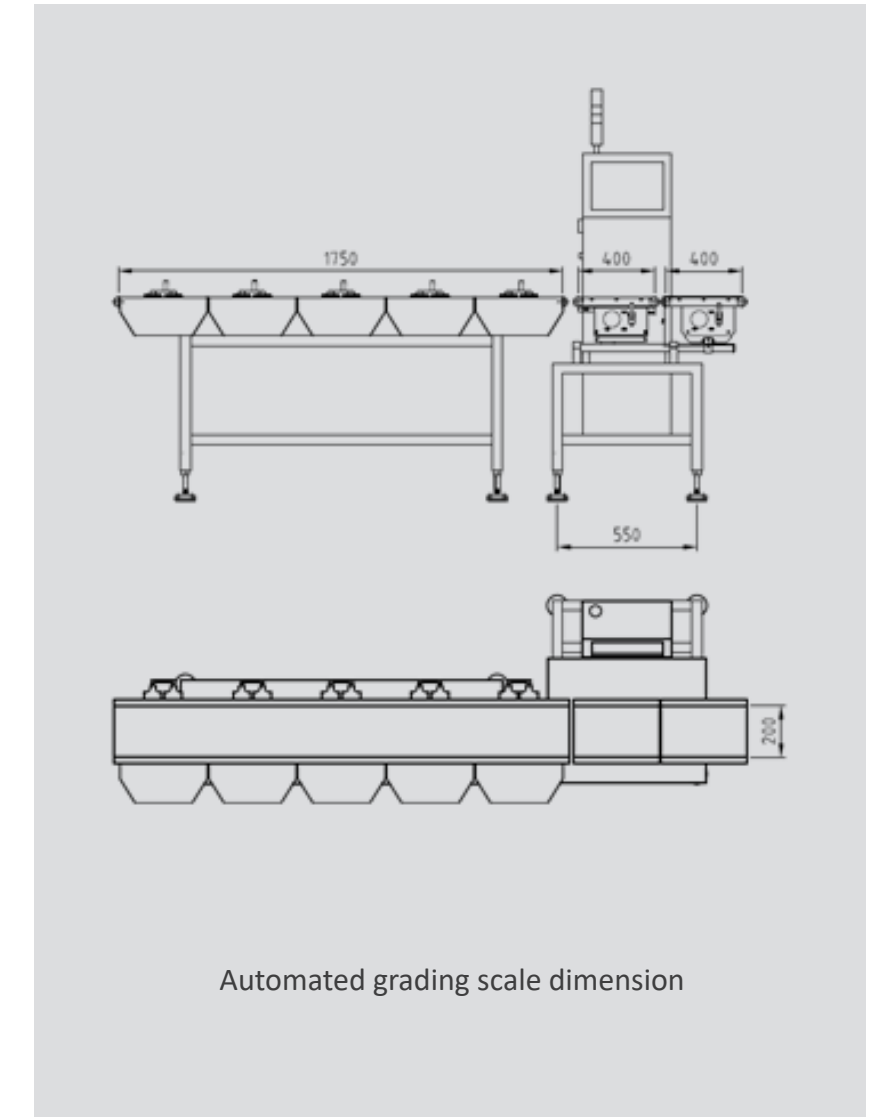
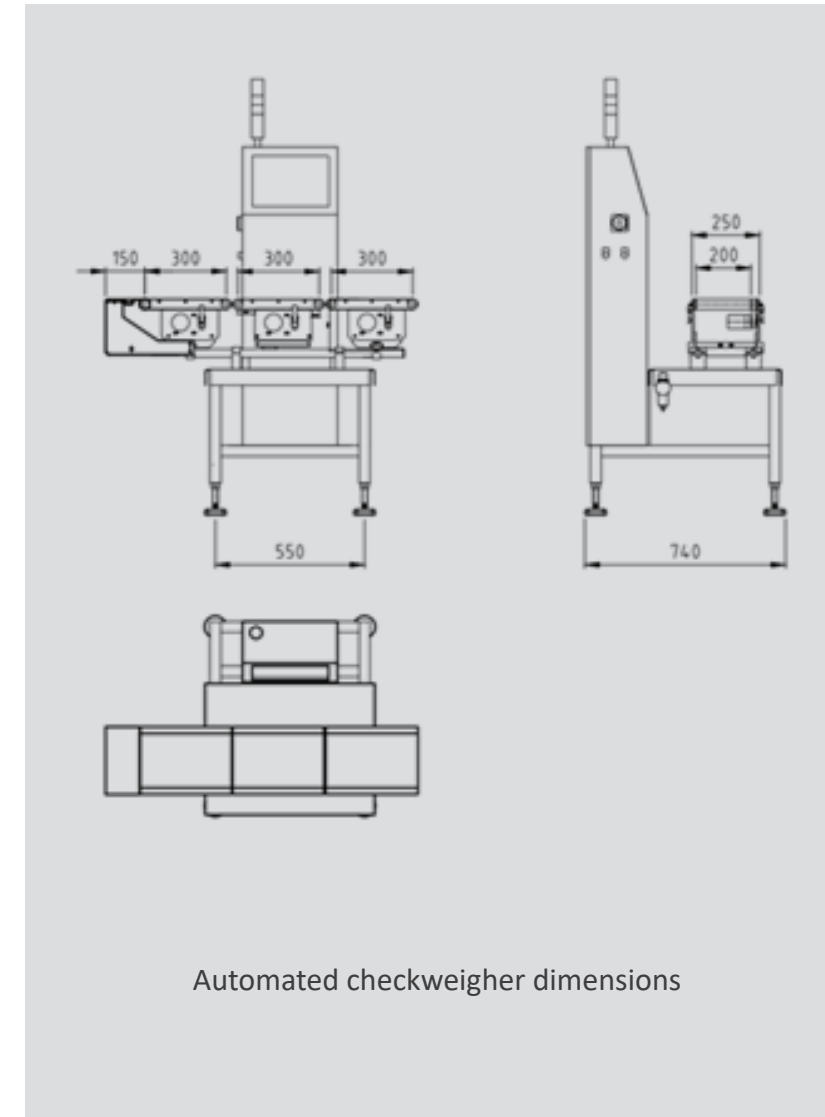
For light product

Drop Down Belt



For thin bags or plat package

OUTLINE DIMENSIONS



APPLICATION CASES

Pharmaceutical industries



Daily chemical industry



USER SITE INVESTIGATION TABLE

GM Series checkweigher are mainly used for weight measuring, missing checking, grading and so on. It's mainly used in logistic, packing, Pharmaceutical and food indust

Company name		Project name	
Delivery address		Delivery date	
Contact person		Phone/cell phone	
Fax/email			
Product data	Product name		
	Weight	Maximum range _____kg	Minimum_____kg
	Size	Maximum (L*W*H) _____ mm	Minimum (L*W*H) _____ mm
	Transfer direction	mm	Center distance of neighbor distance _____mm
	Transfer belt speed	m/min	Required accuracy _____±g
	Required throughput	/min	
	Checking purpose	<input type="checkbox"/> Weighing <input type="checkbox"/> Missing Checking <input type="checkbox"/> Grading _____ level	
Product features	<input type="checkbox"/> Dry	<input type="checkbox"/> Wet	<input type="checkbox"/> Liquid shaking <input type="checkbox"/> Food contacting belt
	<input type="checkbox"/> Causticity	<input type="checkbox"/> Easy to fall in transporting	<input type="checkbox"/> Easy to slide in transporting <input type="checkbox"/> Irregular
Environment	<input type="checkbox"/> On base floor	<input type="checkbox"/> On _____floor	<input type="checkbox"/> Dust content high in air <input type="checkbox"/> Explosion area
	<input type="checkbox"/> Ambient vibration source _____		<input type="checkbox"/> Wind come from surrounding(machine, wind channel and door)
	<input type="checkbox"/> Color requirement		<input type="checkbox"/> Scale not on ground
	<input type="checkbox"/> 220V power <input type="checkbox"/> 380V power		<input type="checkbox"/> No pressure air supply <input type="checkbox"/> Pressure air supply, Pressure= _____Mpa
Production selection	Transfer direction	<input type="checkbox"/> right corresponding to facing display <input type="checkbox"/> Left corresponding to facing display	
	Transfer belt height	<input type="checkbox"/> Belt height = _____ cm	
	Transfer speed	<input type="checkbox"/> Speed fixed <input type="checkbox"/> Transfer speed(m/min), Continuous = _____ Adjustment = _____	
Other requirement			