

In-Motion Weighing

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MotoWeigh® IMW-HD

Heavy Duty In-Motion Conveyor Scale



18in × 36in MotoWeigh IMW-HD with
16in × 12in painted mild steel control panel

Standard Features

Software

- Four levels of security
- Real-time statistical information
- Product report
- Statistical report
- Parameter report
- User report
- Store up to 1,000 different products
- Five zone classification

Hardware

- Industrial mild steel powder coated frame
- Adjustable conveyor height 2 in coarse adjustment from floor to top of belt is 26 to 40 ± 2.5 inches of fine adjustment or 38 to 52 in ± 2.5 in of fine adjustment with optional leg extension kit
- Industrial belting Black PVC 120 V-Guide
- Industrial scale

Available conveyor sizes and capacities

- 14in × 28in 80 lb capacity conveyor scale
- 18in × 36in 150 lb capacity conveyor scale
- 24in × 48in 200 lb capacity conveyor scale
- 36in × 60in 200 lb capacity conveyor scale

Options

- One, three or five zone communication tower
- Audible alarm (non-washdown only)
- Pull cord E-stops
- Portability package
- Conveyor guide rails (round or flat)
- Custom programming available
- UL 508 control panel
- Ethernet IP
- Power configuration 110, 208, 230 (single phase or 3 phase), 460 (3 phase)
- 1280 Controller
- Pedestal for control panel

Due to the variety of configurations, please consult a sales engineer to discuss application requirements and for complete specifications and price quotations.

Field installation available at pre-determined rates.

Questionnaire available at www.ricelake.com/motoweigh

Specifications

Control Panel:

Mild steel, or NEMA Type 4X IP 66 304 SST non-direct food contact

Configurations:

Conveyor scale

Product Types:

Boxes, bags, trays, tubs, cups, buckets, totes

Container Weights:

Up to 200 lb
Resolution down to 0.05 lb or better (dependent on scale capacity)

Belt:

Black PVC 120 with SST zipper splice for easy removal

Motor:

1/2 HP 230 V 3 phase motorized drive pulley (may vary depending on capacity)

Speed:

Up to 150 ft per minute

Power Configuration:

110 VAC single phase, 50/60 Hz
208, 230, 460 (3 phase)

Approvals:

Optional: UL 508

Warranty:

Two-year limited warranty
(excludes powertrain and wear parts)

APPROVALS



Optional



20in × 20in stainless steel control panel with dual
variable speed control option for MotoWeigh IMW-HD

ELS Series

Elevated Load Cell Stands



Mild Steel ELS

Standard Features

- Adjustable height and width in 1-inch increments
- Mild or stainless steel frame
- Available capacities: 250, 500, or 1,000 lb (per stand)
- Individual load cell overload protection
- Jack bolts in leveling feet for easy conveyor height alignment
- Kit includes: two stands, load cells, junction box, two adjustable stabilizing braces, leveling shims, and hardware

Options

- Indicator stand – mild or stainless steel
- Additional single ELS weigh stand
- Additional stabilizing brace kit

Specifications

Load cell:

Four RL32018 or RL32018S single-ended beam
250 lb capacity
500 lb capacity
1,000 lb capacity

Stand Spacing:

Not to exceed 5 ft 6 in

Cable length:

25 ft

Warranty:

Two-year limited

Approvals:

Load cells are FM approved

Part Number/Price

Part #	Main Systems	Price
Mild Steel		
212655	ELS-250 Kit, 23-28 in profile, 18-24 in width	\$3,575.00
212656	ELS-250 Kit, 29-36 in profile, 18-24 in width	\$3,650.00
212659	ELS-250 Kit, 23-28 in profile, 25-36 in width	\$3,650.00
212660	ELS-250 Kit, 29-36 in profile, 25-36 in width	\$3,725.00
212957	ELS-250 Kit, 23-28 in profile, 37-54 in width	\$3,725.00
212958	ELS-250 Kit, 29-36 in profile, 37-54 in width	\$3,800.00
212661	ELS-500 Kit, 23-28 in profile, 18-24 in width	\$3,675.00
212662	ELS-500 Kit, 29-36 in profile, 18-24 in width	\$3,750.00
212663	ELS-500 Kit, 23-28 in profile, 25-36 in width	\$3,750.00
212665	ELS-500 Kit, 29-36 in profile, 25-36 in width	\$3,825.00
212953	ELS-500 Kit, 23-28 in profile, 37-54 in width	\$3,825.00
212954	ELS-500 Kit, 29-36 in profile, 37-54 in width	\$3,900.00
212666	ELS-1000 Kit, 23-28 in profile, 18-24 in width	\$3,775.00
212667	ELS-1000 Kit, 29-36 in profile, 18-24 in width	\$3,850.00
212669	ELS-1000 Kit, 23-28 in profile, 25-36 in width	\$3,850.00
212670	ELS-1000 Kit, 29-36 in profile, 25-36 in width	\$3,925.00
212949	ELS-1000 Kit, 23-28 in profile, 37-54 in width	\$3,925.00
212950	ELS-1000 Kit, 29-36 in profile, 37-54 in width	\$4,000.00
Stainless Steel		
213276	ELS-250 Kit, 23-28 in profile, 18-24 in width	\$5,800.00
213278	ELS-250 Kit, 29-36 in profile, 18-24 in width	\$5,925.00
213280	ELS-250 Kit, 23-28 in profile, 25-36 in width	\$5,925.00
213282	ELS-250 Kit, 29-36 in profile, 25-36 in width	\$6,050.00
213283	ELS-250 Kit, 23-28 in profile, 37-54 in width	\$6,050.00
213284	ELS-250 Kit, 29-36 in profile, 37-54 in width	\$6,175.00
213292	ELS-500 Kit, 23-28 in profile, 18-24 in width	\$5,900.00
213293	ELS-500 Kit, 29-36 in profile, 18-24 in width	\$6,025.00
213294	ELS-500 Kit, 23-28 in profile, 25-36 in width	\$6,025.00
213295	ELS-500 Kit, 29-36 in profile, 25-36 in width	\$6,150.00
213296	ELS-500 Kit, 23-28 in profile, 37-54 in width	\$6,150.00
213297	ELS-500 Kit, 29-36 in profile, 37-54 in width	\$6,275.00
213304	ELS-1000 Kit, 23-28 in profile, 18-24 in width	\$6,000.00
213305	ELS-1000 Kit, 29-36 in profile, 18-24 in width	\$6,125.00
213306	ELS-1000 Kit, 23-28 in profile, 25-36 in width	\$6,125.00
213307	ELS-1000 Kit, 29-36 in profile, 25-36 in width	\$6,250.00
213308	ELS-1000 Kit, 23-28 in profile, 37-54 in width	\$6,250.00
213309	ELS-1000 Kit, 29-36 in profile, 37-54 in width	\$6,375.00

NOTE: includes two stands, load cells, junction box, two adjustable stabilizing braces, leveling shims, and hardware

NOTE: Profile = Height (floor to top mounting plate measurement)

ELS Series

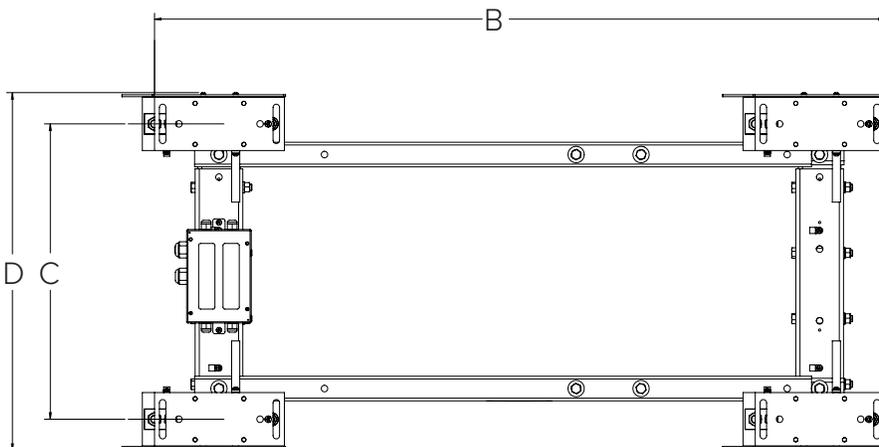
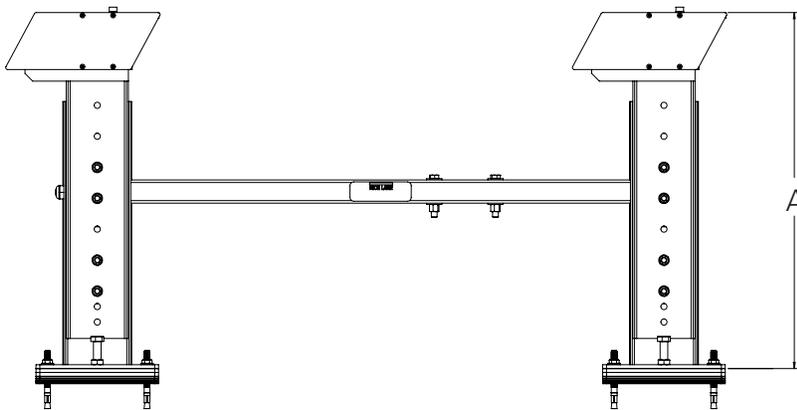
Elevated Load Cell Stands

Options/Accessories

Part #	Description	Price
19352	Indicator floor stand mild steel, 36.3 in high	\$250.00
28740	Indicator floor stand SST, 36.3 in high	\$340.00
Consult	Single ELS weigh stand	Consult
213229	Additional stabilizing brace kit mild steel	\$250.00
213316	Additional stabilizing brace kit stainless steel	\$425.00

Dimensions

Kit Variation	Minimum Dimension	Maximum Dimension
A	Small	22 in (55.88 cm)
	Large	29 in (73.66 cm)
B	All	66 in (167.64 cm)
C	Small	17 in (43.18 cm)
	Medium	25 in (63.50 cm)
	Large	37 in (93.98 cm)
D	Small	22 in (55.88 cm)
	Medium	29 in (73.66 cm)
	Large	41 in (104.14 cm)



MotoWeigh® IMW

In-Motion Conveyor Scale and Checkweigher



Specifications

Construction, three types of systems:

- Stainless steel food-grade
- Stainless steel non-food-grade
- Aluminum non-food-grade

Configurations:

- Checkweigher
- Conveyor scale

Speed:

- Up to 240 ft per minute

Container Types:

- Boxes, bags, pouches, trays, tubs, cups, blister packs, display packs, clam shells

Container Weights:

- Up to 200 lb
- Resolution down to 0.01 lb/5 g, or better (dependent on scale capacity)

Belts:

- Interlox® Habasit®

Power Configuration:

- 110 VAC single phase, 60 Hz
- 230/460 VAC 3 phase, 60 Hz

Approvals:

- Optional NTEP: 60 ppm at 2,000 divisions
- Optional: UL 508

Warranty:

- Two-year limited warranty (excludes powertrain and wear parts)

Checkweigher Packages

- NTEP Certified and non-NTEP Certified packages available in stainless steel and aluminum for food and non-food-grade applications.

Checkweigher Packages Include:

- Common framework for mounting conveyor scale on same frame as infeed conveyor and indicator
- Basic control enclosure to interconnect wiring from photo eyes and divert solenoid and conveyor on/off/E-stop

Standard Features

Software

- Four levels of security
- Real-time statistical information
- Product report
- Statistical report
- Parameter report
- User report
- Store up to 1,000 different products
- Five zone classification

Control Panel

- 1280 controller
- Power disconnect with lock-out/tag-out
- E-stop
- VFD (variable frequency drive)
- Motor overloads

Hardware

- Square tube construction (SST or aluminum)
- 32 in height from top of belt with ± 2.5 in of adjustment
- Modular belting
- Drive on right side of belt (looking down belt flow)
- Control panel mounted on left side of belt (looking down belt flow)

Options

- Divert methods:
 - Pneumatic pusher
 - Air blast
 - Drop conveyor
 - Paddle
 - Secondary diverter in series or parallel
- One, three or five zone communication tower
- Audible alarm (non-washdown only)
- Draft shields
- Drop chutes
- Pull cord E-stops
- Portability package (non-NTEP Certified only)
- Conveyor guide rails (round or flat)
- Custom programming available
- Food-grade SST angle construction, NEMA Type 4X IP66 washdown systems
- Meets HACCP requirements
- UL 508
- NTEP Certified Legal for Trade (up to 2,000 divisions/60 ppm)
- Pacing conveyor
- 1280 controller

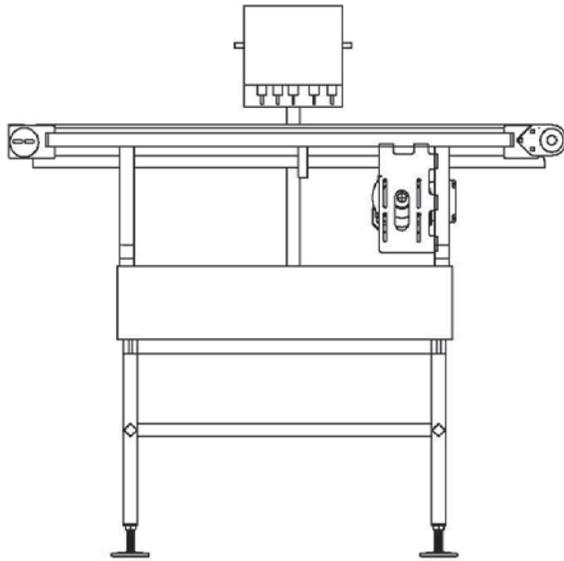
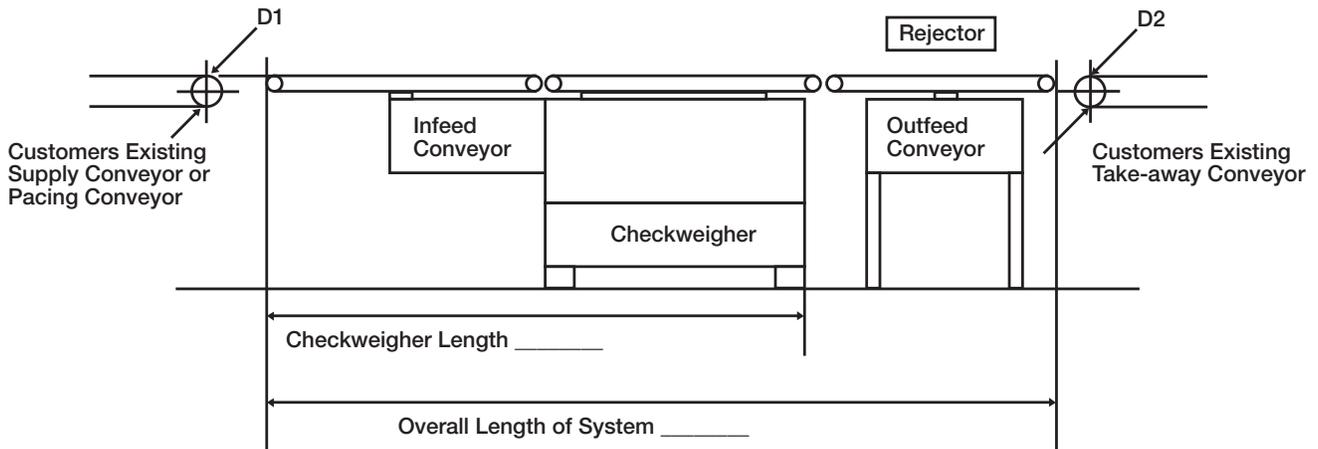
APPROVALS



Optional

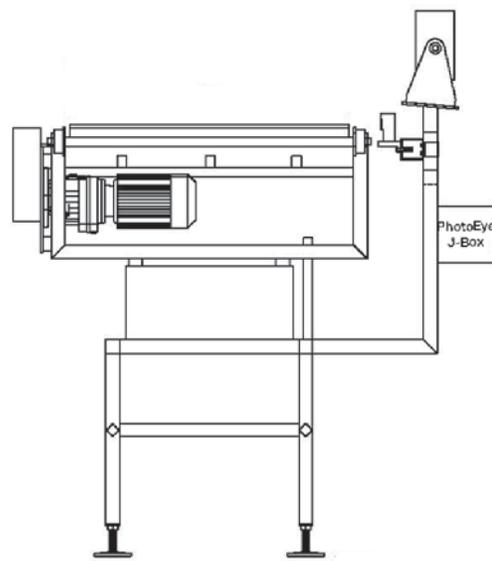
MotoWeigh® IMW

In-Motion Conveyor Scale and Checkweigher



Side View

Conveyor Scale



End View

Conveyor Scale

Due to the variety of configurations, please consult a sales engineer to discuss application requirements and for complete specifications and price quotations.

Field installation available at pre-determined rates.

Questionnaire available at www.ricelake.com/motoweigh

Standard Conveyor System Control Panel Configurations		
Configuration	Input Power	Indicator and Material
Scale Conveyor Only	115 VAC, 230 VAC Single Phase	920 Mild Steel
		1280 Stainless Steel
	230 VAC, 460 VAC 3 Phase	920 Mild Steel
		1280 Stainless Steel
Checkweigher with Reject	115 VAC, 230 VAC Single Phase	920 Mild Steel
		1280 Stainless Steel
	230 VAC, 460 VAC 3 Phase	920 Mild Steel
		1280 Stainless Steel

More input voltages are available upon request

Notes:

1. For single phase input power, total conveyor length must be >= 20in or controls will need to be remote mounted
2. For 3 phase input power, total conveyor length must be >= 24in or controls will need to be remote mounted

Options

Standard Conveyor System Control Panel Options		
Part #	Description	Price
Consult	Remote mounted controls (up to 20')	Consult
205017	UL 508 / 508A Approval (single phase control panel)	Consult
205024	UL 508 / 508A Approval (three phase control panel)	Consult
Consult	System running output	Consult
71986	Ethernet TCP/IP 10/100 module (for 920i based system)	Consult
98057	Wireless LAN Module 802.11 b/g (for 920i based system)	Consult
87803	EtherNet/IP (for 920i based system)	Consult
165792	EtherNet/IP (for 1280 based system)	Consult
165366	Single Analog Out (for 1280 based system)	Consult

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In-Motion Conveyor Scale and Checkweigher

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Standard Conveyor System Sizes and Configurations					
Configuration	Scale Width	Scale Length	Capacity	PPM	Material
Scale Conveyor Only	6	12	10, 20	Min Length: 3 in Max Length (40ppm): 7 in Max Length (75ppm): 3 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	6	18	10, 20	Min Length: 3 in Max Length (40ppm): 11.5 in Max Length (80ppm): 5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
6	24	10, 20	Min Length: 3 in Max Length (40ppm): 15.5 in Max Length (80ppm): 7.5 in	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
Checkweigher With Linear Thrust Reject Device (Includes: Infeed, Scale, and Outfeed conveyors. All conveyors same length)	6	12	10, 20	Min Length: 3 in Max Length (40ppm): 7 in Max Length (75ppm): 3 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	6	18	10, 20	Min Length: 3 in Max Length (40ppm): 11.5 in Max Length (80ppm): 5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
6	24	10, 20	Min Length: 3 in Max Length (40ppm): 15.5 in Max Length (80ppm): 7.5 in	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
Scale Conveyor Only	12	18	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (40ppm): 11.5 in Max Length (80ppm): 5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	12	24	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (40ppm): 15.5 in Max Length (80ppm): 7.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	12	30	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (40ppm): 20 in Max Length (80ppm): 10 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	12	36	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
Checkweigher With Linear Thrust Reject Device (Includes: Infeed, Scale, and Outfeed conveyors. All conveyors same length)	12	18	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (40ppm): 11.5 in Max Length (80ppm): 5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	12	24	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (40ppm): 15.5 in Max Length (80ppm): 7.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	12	30	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (40ppm): 20 in Max Length (80ppm): 10 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	12	36	10, 20, 40	Min Length: 3 in (6 in@40 lb) Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded

Standard Conveyor System Sizes and Configurations

Configuration	Scale Width	Scale Length	Capacity	PPM	Material
Scale Conveyor Only	18	24	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (40ppm): 15.5 in Max Length (80ppm): 7.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	18	30	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (40ppm): 20 in Max Length (80ppm): 10 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	18	36	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	18	42	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
18	48	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
Checkweigher With Linear Thrust Reject Device (Includes: Infeed, Scale, and Outfeed conveyors. All conveyors same length)	18	24	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (40ppm): 15.5 in Max Length (80ppm): 7.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	18	30	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (40ppm): 20 in Max Length (80ppm): 10 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	18	36	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	18	42	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
18	48	20, 40, 100	Min Length: 6 in (3 in@20 lb) Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
Scale Conveyor Only	24	30	40, 100	Min Length: 6 in Max Length (40ppm): 20 in Max Length (80ppm): 10 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	24	36	40, 100	Min Length: 6 in Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	24	42	40, 100	Min Length: 6 in Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	24	48	40, 100	Min Length: 6 in Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
24	54	40, 100	Min Length: 6 in Max Length (30ppm): 41.5 in Max of 48ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
24	60	40, 100	Min Length: 6 in Max Length (30ppm): 46 in Max of 44ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	

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In-Motion Conveyor Scale and Checkweigher

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Standard Conveyor System Sizes and Configurations

Configuration	Scale Width	Scale Length	Capacity	PPM	Material
Checkweigher With Linear Thrust Reject Device (Includes: Infeed, Scale, and Outfeed conveyors. All conveyors same length)	24	30	40, 100	Min Length: 6 in Max Length (40ppm): 20 in Max Length (80ppm): 10 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	24	36	40, 100	Min Length: 6 in Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	24	42	40, 100	Min Length: 6 in Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	24	48	40, 100	Min Length: 6 in Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
24	54	40, 100	Min Length: 6 in Max Length (30ppm): 41.5 in Max of 48ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
24	60	40, 100	Min Length: 6 in Max Length (30ppm): 46 in Max of 44ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
Scale Conveyor Only	30	36	100, 200	Min Length: 6 in Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	30	42	100, 200	Min Length: 6 in Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	30	48	100, 200	Min Length: 6 in Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	30	54	100, 200	Min Length: 6 in Max Length (30ppm): 41.5 in Max of 48ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
30	60	100, 200	Min Length: 6 in Max Length (30ppm): 46 in Max of 44ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	
Checkweigher With Linear Thrust Reject Device (Includes: Infeed, Scale, and Outfeed conveyors. All conveyors same length)	30	36	100, 200	Min Length: 6 in Max Length (35ppm): 25.5 in Max Length (70ppm): 15.5 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	30	42	100, 200	Min Length: 6 in Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	30	48	100, 200	Min Length: 6 in Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	30	54	100, 200	Min Length: 6 in Max Length (30ppm): 41.5 in Max of 48ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
30	60	100, 200	Min Length: 6 in Max Length (30ppm): 46 in Max of 44ppm	AL, Ind Welded	
				SST, Ind Welded	
				SST, Food Grade Welded	

Standard Conveyor System Sizes and Configurations					
Configuration	Scale Width	Scale Length	Capacity	PPM	Material
Scale Conveyor Only	36	42	100, 200	Min Length: 6 in Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	36	48	100, 200	Min Length: 6 in Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	36	54	100, 200	Min Length: 6 in Max Length (30ppm): 41.5 in Max of 48ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	36	60	100, 200	Min Length: 6 in Max Length (30ppm): 46 in Max of 44ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
Checkweigher With Linear Thrust Reject Device (Includes: Infeed, Scale, and Outfeed conveyors. All conveyors same length)	36	42	100, 200	Min Length: 6 in Max Length (30ppm): 32 in Max Length (60ppm): 22 in	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	36	48	100, 200	Min Length: 6 in Max Length (30ppm): 36.5 in Max of 54ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	36	54	100, 200	Min Length: 6 in Max Length (30ppm): 41.5 in Max of 48ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded
	36	60	100, 200	Min Length: 6 in Max Length (30ppm): 46 in Max of 44ppm	AL, Ind Welded
					SST, Ind Welded
					SST, Food Grade Welded

Additional configurations, sizes, and capacities are available upon request
Notes: 1. Pricing good for any height from 20-41 in

Options

Conveyor Options		
Part #	Description	Price
175247	Stacklight Assembly, Left Hand Bracket W/Alarm Only. 24 VDC MotoWeigh	Consult
175248	Stacklight Assembly, Left Hand Bracket W/Red Light Only. 24 VDC MotoWeigh	Consult
175249	Stacklight Assembly, Left Hand Bracket W/Red, Green, Amber Lights. 24 VDC MotoWeigh	Consult
175250	Stacklight Assembly, Left Hand Bracket W/Red, Green, Amber, Alarm. 24 VDC MotoWeigh	Consult
175251	Stacklight Assembly, Left Hand Bracket W/Red, Amber, Green, Blue, White Lights. 24 VDC MotoWeigh	Consult
175254	Stacklight Assembly, Right Hand Bracket W/Alarm Only. 24 VDC MotoWeigh	Consult
175255	Stacklight Assembly, Right Hand Bracket W/Red Light Only. 24 VDC MotoWeigh	Consult
175256	Stacklight Assembly, Right Hand Bracket W/Red, Green, Amber Lights. 24 VDC MotoWeigh	Consult
175258	Stacklight Assembly, Right Hand Bracket W/Red, Green, Amber, Alarm. 24 VDC MotoWeigh	Consult
175260	Stacklight Assembly, Right Hand Bracket W/Red, Amber, Green, Blue, White Lights. 24 VDC MotoWeigh	Consult
Consult	Guide Rail, Round (up to 36", priced per conveyor)	Consult
Consult	Guide Rail, Flat (up to 36", priced per conveyor)	Consult
Consult	Guide Rail, Round (37" of above, priced per conveyor)	Consult
Consult	Guide Rail, Flat (37" of above, priced per conveyor)	Consult
Consult	Draft Shield, Lexan (6" conveyor width)	Consult
Consult	Draft Shield, Lexan (7" - 12" conveyor widths)	Consult
Consult	Draft Shield, Lexan (13" - 18" conveyor widths)	Consult
Consult	Draft Shield, Lexan (19" - 24" conveyor widths)	Consult
Consult	Draft Shield, Lexan (25" - 36" conveyor widths)	Consult
Consult	Portable Caster Package, Non NTEP	Consult
Consult	NTEP Approval	Consult
Consult	Stainless Steel Drive Motor upgrade charge (per motor)	Consult

MotoWeigh® Metal Detector



Standard Features

Software

- Four levels of security
- Easy setup and product learning
- Easily change product boundaries/rejection
- One touch log reporting
- Eight fields of data recorded on large hard drive
- USB, Ethernet and RS485 communication ports
- Up to 97 products
- English or Spanish

Hardware

- 7 in color touchscreen interface
- 304 stainless steel construction
- NEMA Type 4X, 304 stainless steel housing and enclosure
- IP66 rated
- Easily removable belt
- Adjustable foot pads or optional casters
- Single-point junction box
- Anti-static UHMW slider bed
- Variable speed control

Options

- Reject mechanism
 - Paddle
 - Linear
 - Drop
- Lock box
- IP69K
- Meets HACCP requirements
- Ferrous, non-ferrous, and 316 stainless steel test wands; individual wands and kits
- LED communication tower
- Audible alarms
- Caster package
- Guide rails
- AC power conditioner

Specifications

Construction:

304 stainless steel

Display:

7 in color touchscreen

Language Support:

English and Spanish

Inputs:

Eight configurable (for photo eyes, remote emergency stop, etc.) that can be set to active high or active low

Outputs:

Nine programmable (for reject mechanism, system faults, system warnings, etc.)

Speed:

Up to 120 ft/minute depending on configuration

Operating Temperature:

Integral control 14° F to 120° F (-10° C to 49° C)

Storage Temperature:

14° F to 175° F (-10° C to 80° C)

Maximum Operating Altitude:

6,561 ft (2,000 m)

Power Requirements:

100 to 240 VAC, 50 or 60 Hz

APPROVALS



MotoWeigh® Metal Detector

Part Number/Price

Part #	Main Systems	Price
Metal Detector Only		
170657	Metal Detector Head 8 in × 4 in	\$16,240.00
170659	Metal Detector Head 8 in × 6 in	\$16,370.00
170660	Metal Detector Head 8 in × 8 in	\$16,505.00
170669	Metal Detector Head 8 in × 10 in	\$17,625.00
170670	Metal Detector Head 8 in × 12 in	\$17,955.00
170671	Metal Detector Head 14 in × 6 in	\$17,855.00
170672	Metal Detector Head 14 in × 8 in	\$18,485.00
170673	Metal Detector Head 14 in × 10 in	\$18,680.00
170674	Metal Detector Head 14 in × 12 in	\$18,880.00
170692	Metal Detector Head 14 in × 14 in	\$19,870.00
170675	Metal Detector Head 20 in × 6 in	\$20,465.00
170676	Metal Detector Head 20 in × 8 in	\$20,730.00
170677	Metal Detector Head 20 in × 10 in	\$20,995.00
170678	Metal Detector Head 20 in × 12 in	\$21,255.00
170679	Metal Detector Head 20 in × 14 in	\$21,320.00
170680	Metal Detector Head 20 in × 16 in	\$22,115.00
170681	Metal Detector Head 20 in × 18 in	\$22,575.00
170682	Metal Detector Head 20 in × 20 in	\$22,575.00
186289	Metal Detector Head 26 in × 6 in	\$21,320.00
170683	Metal Detector Head 26 in × 8 in	\$21,585.00
170684	Metal Detector Head 26 in × 10 in	\$22,245.00
170685	Metal Detector Head 26 in × 12 in	\$22,575.00
170686	Metal Detector Head 26 in × 14 in	\$22,905.00
170687	Metal Detector Head 26 in × 16 in	\$23,435.00
170688	Metal Detector Head 26 in × 18 in	\$24,295.00
170689	Metal Detector Head 26 in × 20 in	\$24,295.00
Metal Detector with Conveyor		
170695	Metal Detection System 8 in × 4 in Head, 6 in × 60 in Conveyor	\$55,405.00
170704	Metal Detection System 8 in × 6 in Head, 6 in × 60 in Conveyor	\$55,405.00
170705	Metal Detection System 8 in × 8 in Head, 6 in × 60 in Conveyor	\$55,405.00
170706	Metal Detection System 8 in × 10 in Head, 6 in × 60 in Conveyor	\$55,405.00
170707	Metal Detection System 8 in × 12 in Head, 6 in × 60 in Conveyor	\$55,405.00
170708	Metal Detection System 14 in × 6 in Head, 12 in × 60 in Conveyor	\$37,480.00
170709	Metal Detection System 14 in × 8 in Head, 12 in × 60 in Conveyor	\$37,480.00
170710	Metal Detection System 14 in × 10 in Head, 12 in × 60 in Conveyor	\$37,480.00
170711	Metal Detection System 14 in × 12 in Head, 12 in × 60 in Conveyor	\$37,480.00
170712	Metal Detection System 14 in × 14 in Head, 12 in × 60 in Conveyor	\$37,480.00
170713	Metal Detection System 20 in × 6 in Head, 18 in × 72 in Conveyor	\$43,390.00
170714	Metal Detection System 20 in × 8 in Head, 18 in × 72 in Conveyor	\$43,390.00
170715	Metal Detection System 20 in × 10 in Head, 18 in × 72 in Conveyor	\$43,390.00
170716	Metal Detection System 20 in × 12 in Head, 18 in × 72 in Conveyor	\$43,390.00
170717	Metal Detection System 20 in × 14 in Head, 18 in × 72 in Conveyor	\$43,390.00
170718	Metal Detection System 20 in × 16 in Head, 18 in × 72 in Conveyor	\$43,390.00
170719	Metal Detection System 20 in × 18 in Head, 18 in × 72 in Conveyor	\$43,390.00
170720	Metal Detection System 20 in × 20 in Head, 18 in × 72 in Conveyor	\$43,390.00
186290	Metal Detection System 26 in × 6 in Head, 24 in × 84 in Conveyor	\$48,640.00
170721	Metal Detection System 26 in × 8 in Head, 24 in × 84 in Conveyor	\$48,640.00
170722	Metal Detection System 26 in × 10 in Head, 24 in × 84 in Conveyor	\$48,640.00
170723	Metal Detection System 26 in × 12 in Head, 24 in × 84 in Conveyor	\$48,640.00
170724	Metal Detection System 26 in × 14 in Head, 24 in × 84 in Conveyor	\$48,640.00
170725	Metal Detection System 26 in × 16 in Head, 24 in × 84 in Conveyor	\$48,640.00
170726	Metal Detection System 26 in × 18 in Head, 24 in × 84 in Conveyor	\$48,640.00
170727	Metal Detection System 26 in × 20 in Head, 24 in × 84 in Conveyor	\$48,640.00

MotoWeigh® Metal Detector

Options/Accessories

Part #	Main Systems	Price
200804	Caster package, MotoWeigh set of 4 - 2 swivel and 2 fixed casters for MotoWeigh Metal Detection Conveyors	\$2,310.00
186279	Information tower includes buzzer	\$1,500.00
186280	Remote electronics with up to 100 ft of cable	\$1,315.00
186281	AC power conditioner in NEMA Type 4X enclosure	\$3,040.00
186282	PLC module for Ethernet IP interface (factory installed only)	\$2,410.00
186284	Preventive kit	\$1,010.00
Ferrous (Mild Steel) Test Wands		
168370	1.0 mm Ferrous (Mild Steel) Test Wand	\$19.25
168383	1.2 mm Ferrous (Mild Steel) Test Wand	\$19.25
168384	1.5 mm Ferrous (Mild Steel) Test Wand	\$19.25
168385	1.8 mm Ferrous (Mild Steel) Test Wand	\$19.25
168386	2.0 mm Ferrous (Mild Steel) Test Wand	\$19.25
168387	2.2 mm Ferrous (Mild Steel) Test Wand	\$19.25
168388	2.5 mm Ferrous (Mild Steel) Test Wand	\$19.25
168389	2.8 mm Ferrous (Mild Steel) Test Wand	\$19.25
168390	3.0 mm Ferrous (Mild Steel) Test Wand	\$19.25
168391	3.1 mm Ferrous (Mild Steel) Test Wand	\$19.25
168392	3.25 mm Ferrous (Mild Steel) Test Wand	\$19.25
168393	3.5 mm Ferrous (Mild Steel) Test Wand	\$19.25
168394	4.0 mm Ferrous (Mild Steel) Test Wand	\$19.25
168395	4.5 mm Ferrous (Mild Steel) Test Wand	\$19.25
Non-Ferrous (Brass) Test Wands		
168411	1.0 mm Non-Ferrous (Brass) Test Wand	\$19.25
168413	1.2 mm Non-Ferrous (Brass) Test Wand	\$19.25
168414	1.5 mm Non-Ferrous (Brass) Test Wand	\$19.25
168415	1.8 mm Non-Ferrous (Brass) Test Wand	\$19.25
168416	2.0 mm Non-Ferrous (Brass) Test Wand	\$19.25
168418	2.2 mm Non-Ferrous (Brass) Test Wand	\$19.25
168420	2.5 mm Non-Ferrous (Brass) Test Wand	\$19.25
168421	2.8 mm Non-Ferrous (Brass) Test Wand	\$19.25
168422	3.0 mm Non-Ferrous (Brass) Test Wand	\$19.25
168423	3.2 mm Non-Ferrous (Brass) Test Wand	\$19.25
168424	3.5 mm Non-Ferrous (Brass) Test Wand	\$19.25
168425	4.0 mm Non-Ferrous (Brass) Test Wand	\$19.25
168426	4.5 mm Non-Ferrous (Brass) Test Wand	\$19.25
168427	5.0 mm Non-Ferrous (Brass) Test Wand	\$19.25
316 Stainless Steel Test Wands		
168428	1.5 mm 316 Stainless Steel Test Wand	\$19.25
168429	1.8 mm 316 Stainless Steel Test Wand	\$19.25
168430	2.0 mm 316 Stainless Steel Test Wand	\$19.25
168431	2.2 mm 316 Stainless Steel Test Wand	\$19.25
168432	2.5 mm 316 Stainless Steel Test Wand	\$19.25
168433	2.8 mm 316 Stainless Steel Test Wand	\$19.25
168434	3.0 mm 316 Stainless Steel Test Wand	\$19.25
168435	3.1 mm 316 Stainless Steel Test Wand	\$19.25
168436	3.4 mm 316 Stainless Steel Test Wand	\$19.25
168437	4.0 mm 316 Stainless Steel Test Wand	\$19.25
168438	4.5 mm 316 Stainless Steel Test Wand	\$19.25
168439	5.0 mm 316 Stainless Steel Test Wand	\$19.25
168440	5.5 mm 316 Stainless Steel Test Wand	\$19.25
168441	6.0 mm 316 Stainless Steel Test Wand	\$19.25
Test Wand Kits		
168445	Master Kit (Ferrous 1.0 - 4.5 mm, Non-Ferrous 1.0 - 5 mm, 316 Stainless Steel 1.5 - 6.0 mm)	\$1,500.00
168442	Ferrous Kit (1.0 - 4.5 mm)	\$500.00
168443	Non-Ferrous Kit (1.0 - 5.0 mm)	\$500.00
168444	316 Stainless Steel Kit (1.5 - 6.0 mm)	\$500.00

MotoWeigh® Cascade Checkweigher

Gravity Drop Checkweigher

Specifications

Construction:

Mild steel
Electrostatic dissipative powder coat

Maximum Container Size:

7 in × 7 in × 1.5 in (L × W × H)

Maximum Product Throughput:

45 parts per minute*

Capacity:

1.5 lb (680.4 g)

Accuracy:

±0.00044 lb (0.2 g)

Cylinder Stroke:

1.75 in

*Variable based on product size, cylinder stroke, and scale accuracy



Standard Features

Software

- Single part drop detection (part outside of the bag)
- Statistical information
- Store up to 500 different products

Hardware

- Mild steel construction
- Electrostatic dissipative powder coating
- 920i® wall mount
- Air regulator
- Bimba® air cylinders
- MAC® solenoid valves

Options

- SST construction
- LED communication tower
- Audible alarm
- Draft shield

Part Number/Price

Part #	Main Systems	Price
Consult	MotoWeigh Cascade Checkweigher and control panel	Consult
Part #	Options / Accessories	Price
185808	Red and green communication tower	\$775.00
186577	Red, green, and alarm communication tower	\$950.00

Motoweigh® Integrator



Standard Features

Software

- Four levels of security
- Real-time statistical information
- Product report
- Statistical report
- Parameter report
- User report
- Store up to 1,000 different products
- Five zone classification
- Configurable reject output
- Conveyor control output

Control Panel

- 16 in × 16 in × 8 in stainless steel enclosure
- Panel mount 920i® and 1280
- 24 VDC power supply
- 16 Opto 22 relays
- Terminal blocks for easy wiring

Options

- One, three or five zone communication tower
- Audible alarm (non-washdown only)

Part Number/Price

Part #	Main Systems	Price
206440	1280 panel mount with MotoWeigh software, with cord grips	\$7,600.00
185801	920i panel mount with MotoWeigh software, with cord grips	\$6,875.00
Part #	Options / Accessories	Price
185803	Alarm communication tower	\$435.00
185804	Red communication tower	\$480.00
185805	Three zone communication tower	\$1,120.00
185806	Three zone and alarm communication tower	\$1,390.00
185807	Five zone communication tower	\$1,540.00

A&D Inspection

In-Motion Checkweigher and Metal Detector

IN-MOTION WEIGHING

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AD-4961 Series Checkweigher



AD-4971 Metal Detector

	AD-4961-600-1224 Specifications	AD-4961-2KD-2035 Specifications	AD-4961-6K-3050 Specifications	AD-4971 Metal Detector Specifications
Capacity	600 g	500 g/2,000 g	6,000 g	N/A
Resolution	0.01 g	0.01g/0.1g	0.1g	N/A
Accuracy	0.08 g	0.08 g/0.18 g	1.0 g	N/A
Construction	IP65 stainless steel construction with ABS resin display	IP65 stainless steel construction with ABS resin display	IP65 stainless steel construction with ABS resin display and stainless steel control box and base	IP65 stainless steel construction with ABS resin display
Aperture Sizes	N/A	N/A	N/A	From 13.7 in × 3.9 in to 17.7 in × 9.8 in
Display	7 in color touchscreen	7 in color touchscreen	7 in color touchscreen	7 in color touchscreen
Alarm	Included	Included	Included	Included
Configurations	Checkweigher or conveyor scale	Checkweigher or conveyor scale	Checkweigher or conveyor scale	Checkweigher or conveyor scale
Speed	Up to 240 ft per minute	Up to 240 ft per minute	Up to 240 ft per minute	Up to 196 ft per minute
Max Throughput	150 pcs per min	150 pcs per min	100 pcs per min	N/A
Belts	Food grade urethane belt	Food grade urethane belt	Food grade urethane belt	Food grade urethane belt
Belts Width	4.7 in	7.8 in	11.8 in	Model dependent
Conveyor Length	14.2 in	13.7 in	19.6 in	Model dependent
Recorded Items	1,000 items (ten groups x 100 items)	1,000 items (ten groups x 100 items)	1,000 items (ten groups x 100 items)	1,000 items
Communication	Modbus TCP, Modbus RTU, RS-232, Ethernet TCP/IP (PostScript Printer), USB (for PostScript Printer, USB memory, data storage, image import use)	Modbus TCP, Modbus RTU, RS-232, Ethernet TCP/IP (PostScript Printer), USB (for PostScript Printer, USB memory, data storage, image import use)	Modbus TCP, Modbus RTU, RS-232, RS-485, Ethernet TCP/IP (PostScript Printer), USB (for PostScript Printer, USB memory, data storage, image import use)	Modbus TCP, Modbus RTU, Ethernet TCP/IP (PostScript Printer), USB (for PostScript Printer, USB memory, data storage, image import use)
Input/Output	External input for four non-voltage contact points External output for eight relay points	External input for four non-voltage contact points External output for eight relay points	External input for four non-voltage contact points External output for eight relay points	External input for four non-voltage contact points External output for eight relay points
Power Configuration	100 VAC-240 VAC (+10%/-15%) single phase, 50/60 Hz; 180 VA	100 VAC-240 VAC (+10%/-15%) single phase, 50/60 Hz; 180 VA	100 VAC-240 VAC (+10%/-15%) single phase, 50/60 Hz; 180 VA	100 VAC-240 VAC (+10%/-15%) single phase, 50/60 Hz; 180 VA
Operating Temperature	23°F to 104°F (-5°C to 40°C)	23°F to 104°F (-5°C to 40°C)	23°F to 104°F (-5°C to 40°C)	32°F to 104°F (0°C to 40°C)
External Dimensions	(L × W × H) 26 in × 23.7 in × 28.1 in-33.9 in	(L × W × H) 27.5 in × 25.9 in × 27.9 in-33.8 in	(L × W × H) 39.5 in × 28.9 in × 28.3 in-34.2 in	Model dependent



Breeze Break



Metal Detector



Tower Light



Maintenance Kit

A&D Inspection AD-4961 Series

In-Motion Conveyor Scale, Checkweigher and Metal Detector

Part Number/Price

AD-4961-600-1224 600g Checkweigher		
Part #	Checkweigher	Price
186317	EZICheck checkweigher 600 g	\$16,115.00
Part #	Rejector	Price
186318	EZICheck 600 g air jet reject with two nozzles	\$5,460.00
Part #	Options / Accessories	Price
186319	EZICheck 600 g breeze break	\$715.00
176622	CW extension leg kit - set of four (up to 40 in)	\$495.00
186320	Maintenance kit 600 g	\$2,695.00
203601	EZ caster package	\$1,825.00

Assembly is required

AD-4961-2K-2035 2 kg Checkweigher		
Part #	Checkweigher	Price
176605	EZICheck checkweigher 2 kg	\$17,050.00
Part #	Rejector	Price
176607	EZICheck 2 kg dual channel reject flipper	\$7,755.00
176610	Air jet rejector (two nozzles)	\$6,215.00
176608	EZICheck 2 kg single channel drop rejector	\$4,070.00
Part #	Options / Accessories	Price
176614	EZICheck-01 display stand	\$341.00
176612	Tower light 3 zone, must buy AD-4691-01	\$715.00
176615	EZICheck-11 upper breeze break	\$1,705.00
176617	EZICheck-12 lower breeze break	\$385.00
176618	EZICheck-13 transfer plate	\$175.00
176619	EZICheck-14 product guides	\$770.00
176622	CW extension leg kit - set of four (up to 40 in)	\$495.00
179427	Maintenance kit 2 kg	\$3,210.00
192920	Conveyor connection kit	\$51.00
203601	EZ caster package	\$1,825.00

Assembly is required

AD-4961-6K-3050 6 kg Checkweigher		
Part #	Checkweigher	Price
176606	EZICheck checkweigher 6 kg	\$20,750.00
Part #	Rejector	Price
176609	EZICheck 6 kg push ram rejector	\$9,750.00
Part #	Options / Accessories	Price
176614	EZICheck-01 display stand	\$341.00
176612	Tower light 3 zone, must buy AD-4691-01	\$715.00
176622	CW extension leg kit - set of four (up to 40 in)	\$495.00
186322	Maintenance kit 6 kg	\$3,135.00
203601	EZ caster package	\$1,825.00

Assembly is required

AD-4971 Metal Detector		
Part #	Main Systems	Price
186325	AD-4971-3510 Metal Detector – 100 mm aperture	Consult
186326	AD-4971-3517 Metal Detector – 170 mm aperture	Consult
186327	AD-4971-3525 Metal Detector – 250 mm aperture	Consult
186328	AD-4971-4517 Metal Detector – 170 mm aperture	Consult
186329	AD-4971-4525 Metal Detector – 250 mm aperture	Consult
Part #	Options / Accessories	Price
186330	EZICheck Metal Detector tower light	\$850.00
176622	CW extension leg kit - set of four (up to 40 in)	\$495.00
186331	Maintenance kit for AD-4971-3510, AD-4971-3517, AD-4971-3525 metal detectors	\$2,365.00
186332	Maintenance kit for AD-4971-4517, AD-4971-4525 metal detectors	\$2,585.00
203601	EZ caster package	\$1,825.00

MotoWeigh® Roller Top Scale

Manual Roller Top Checkweigher

Specifications

Dimensions:

36 54 30 in (W × L × H) with +/- 2.5 in height adjustment

Capacity:

100 lb × 0.05 lb

880/880 Plus Performance Series Digital

Weight Indicator Approvals:

NTEP CC 13-080 Class III/IIIL, 10,000d
Measurement Canada AM-5931C
Class III/IIHHD, 10,000d
OIML R76/1992-GB1-04.02 Class III, 10,000d
EU Test Certificate TC8463
UL/cUL Listed (universal)
UL/cUL Recognized (panel mount)
CE Marked



Standard Features

- Integrated overload protection
- 4 load cell system
- Mild steel powder-coated frame
- Non- powder-coated rollers
- Consult factory for custom sizes/capacities

Part Number/Price

Part #	Description	Price
201732	MotoWeigh roller top scale	Consult

