

## Product Inspection Simplified





100% Inspection means inspecting every single product before it leaves the facility, often at multiple points during production.



At A&D, we believe that 100% of products should be inspected. 100% inspection at various stages of production saves time and reduces error. It also reduces the risk of costly chargebacks, fees, and even lawsuits or expensive recalls.

Inspection throughout different stages of production helps in the identification of hazards or non-conforming products that can pose risk at various points. Finding those contaminants or deformities early in the process can save on rework, product/packaging materials, etc.

# Checkweighers



If product giveaway and fill is your concern, checkweighers are an excellent solution. Our line of checkweighers are modular, easy to incorporate into your existing line, have a small footprint, and are efficient with the ability to process up to 400 pieces per minute! Pair with a rejector to automate the rejection process.

AD-4961A

## Product Families

	AD-4961A-600-1224	AD-4961A-2KD-2035	AD-4961A-6K-3050	Custom Checkweighers
Capacity	600 g 1.32 lbs	500 g / 2000 g 1.10 lbs / 4.40 lbs	6000 g 13.22 lbs	91 kg 10 - 1000 lbs
Resolution	0.01 g	0.01 g / 0.1 g	0.1 g	up to 100,000 divisions
Conveyor Belt Length*	W 120 mm, L 240 mm W 4.7 in, L 9.4 in	W 120 mm, L 350 mm W 4.7 in, L 13.8 in	W 300 mm , L 500 mm W 11.8 in, L 19.7 in	W 610 mm L 914, 1321 mm W 24.0 in, L 36.0, 52.0 in
Product Length	110 mm 4.3 in	up to 190 mm up to 7.5 in	up to 480 mm up to 18.9	up to 72 in
Conveyor Belt Speed	15-120 m/min	15-120 m/min	10-80 m/min	up to 250 fpm
Max Throughput	up to 400 pcs/min	up to 320 pcs/min	up to 145 pcs/min	up to 150 ppm
Line Height	710-860 mm	710-860 mm	720-860 mm	Custom
Dust / Water Resistance	IP65	IP65	IP65	up to IP69
Standard Deviation	600g / 0.08g	2kg / 0.5g	6kg / 1.0g	Varies by Solution

\*Conveyor lengths can be custom sized. Contact your A&D representative for more information.



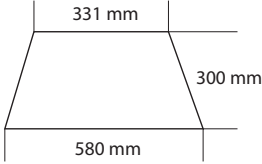
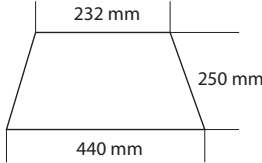
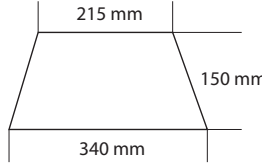
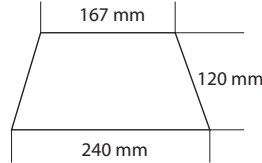
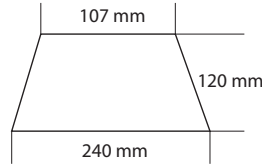
# X-ray



AD-4991

The ProteX X-ray series can be programmed to work specifically for your products, identifying a variety of contaminants including bone, plastic, metal, glass, and more. Features like masking, missing components and misshaped product detection also come standard.

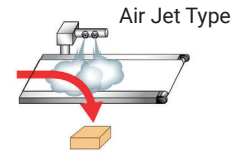
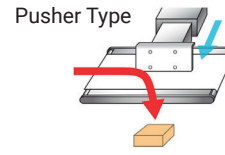
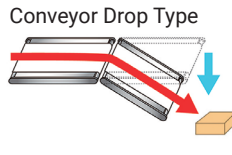
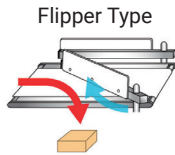
## Product Families

	Conveyor width	System length	Conveyor height	Max. X-ray power output	Conveyor belt speed	Beam diagram (mm)	Rating
AD-4991-6030	600 mm 23.6 in	1200 mm 47.2 in	720-860 mm 28.3-33.9 in	300 W (100 kV_3 mA)	10-40 m/min		up to IP66
AD-4991-4530	450 mm 17.7 in	1000 mm 39.4 in	720-860 mm 28.3-33.9 in	300 W (75 kV_4 mA)	10-40 m/min		IP66
AD-4991-3530	350 mm 13.8 in	800 mm 31.5 in	720-860 mm 28.3-33.9 in	300 W (75kV_4mA)	10-45 m/min		IP66
AD-4991-2515	250 mm 9.8 in	800 mm 31.5 in	720-860 mm 28.3-33.9 in	150 W (50kV_3mA)	15-70 m/min		IP66
AD-4991-2510	250 mm 9.8 in	800 mm 31.5 in	720-860 mm 28.3-33.9 in	100 W (50kV_2mA)	10-45 m/min		IP66

# Rejectors

Rejectors play an integral role in your production line. From cosmetics to pharmaceuticals to food, when a product does not pass inspection, a rejector triggers and bad product is automatically removed from the line.

## Types of Rejector:



### Flipper Type

AD-4981 Series

Arm swings to automatically reject non-conforming products off the conveyor. Most versatile of the sorting methods and is ideal for boxes, tall bags and cases.



### Conveyor Drop

AD-4982 Series

Non-conforming products are automatically rejected down the conveyor by the movement of the conveyor. Suitable for thin bags and sheet-like materials.

Model	AD-4981-2057	AD-4981-2570	AD-4981-3585
Conveyor Belt Width	200 mm	250 mm	350 mm
Screening capacity <sup>*1</sup>	120 pcs/min	100 pcs/min	80 pcs/min
Conveyor Belt Speed	15 to 120 m/min	10 to 80 m/min	10 to 50 m/min
Air supply <sup>*2</sup>	0.5 MPA/75 PSI Available 1/4" quick Connect		0.5 Mpa 0.4 NL/time Φ6 mm Polyurethane tube

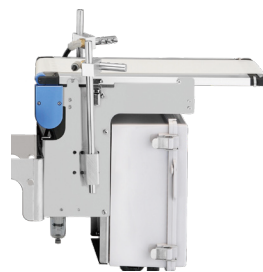
Model	AD-4982-2035	AD-4982-2540	AD-4982-3550
Conveyor Belt Width	200 mm	250 mm	350 mm
Screening capacity <sup>*1</sup>	150 pcs/min	100 pcs/min	60 pcs/min
Conveyor Belt Speed	15 to 120 m/min	10 to 80 m/min	10 to 50 m/min
Air supply <sup>*2</sup>	0.5 Mpa 0.3 NL/time Φ6 mm Polyurethane tube		0.5 Mpa 0.9 NL/time Φ6 mm Polyurethane tube



### Pusher Type

AD-4983 Series

Non-conforming products are pushed off the conveyor. Most suitable for boxes or tall bags.



### Air Jet Type

AD-4984 Series

Non-conforming products are pushed off the conveyor. Most suitable for boxes or tall bags.

Model	AD-4983-3050
Conveyor Belt Width	300 mm
Screening capacity <sup>*1</sup>	60 pcs/min
Conveyor Belt Speed	10 to 80 m/min
Air supply <sup>*2</sup>	0.5 Mpa 2.6 NL/time Φ8 mm Polyurethane tube

Model	AD-4984-1246	AD-4984-2046	4984-AL00
Conveyor Belt Width	120 mm	200 mm	NA
Screening capacity <sup>*1</sup>	400 pcs/min	320 pcs/min	up to 400 ppm
Conveyor Belt Speed	15 to 120 m/min		50 m/min
Air supply <sup>*2</sup>	0.5 Mpa 2.4 NL/time Φ10 mm Polyurethane tube		

\*1 Actual screening capacity is dependent on the shape and/or the condition of the screened item and/or environment of the installation room.

\*2 Please prepare compressed air with an air tube (polyurethane tube) to be connected to the filter regulator of the Rejector.



## Moisture Analyzers

Moisture analyzers provide a quick and easy confirmation that the moisture content of a sample product is within manufacturing specifications- a critical component to product quality.



## Legal for Trade Scales

IP Rated and dust proof; our flexible scales adapt to a variety of environments.

The sanitary construction is wash down safe. Implement an easy to use traffic light system that is also legal for trade. Use our compact scale that has 5000 hours of continuous use on one set of batteries!

## Service Simplified

Ensure equipment performance, maximum uptime, and peace of mind with a service plan.



Just like any other equipment, inspection systems need care and maintenance to function properly. Around the world, A&D Inspection installations inspect over 45 million units per day – that adds up to a lot of wear and tear.

Because metal detectors, checkweighers, and x-ray inspection units are so critical to protecting your customers and your brand, we recommend that your equipment be regularly serviced every 5,000 hours of use.

Think of service for your inspection equipment like oil changes and new tires for your car – they help your equipment run more smoothly (and for longer) than if you were to put maintenance off. Maintenance is also significantly more cost effective – and budget-friendly – than dealing with emergency repairs and downtime of a neglected system.



[andinspection.com](http://andinspection.com)  
[PIService@andonline.com](mailto:PIService@andonline.com)  
1-800-726-7099