





HEFEI MEYER OPTOELECTRONIC TECHNOLOGY INC.

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Web for Color Sorter @meyersorter Meyer Marketing



Meyer X-ray Inspection Machine



MEYER X-RAY INSPECTION SOLUTIONS

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Meyer, deeply engaged in the field of intelligent identification

for nearly 30 years, always walks at the forefront of the industry and is committed to providing intelligent, professional sorting and detection solutions for users. For improving "performance, reliability" and other key factors of products, Meyer research & manufacture innovation

platform is building now. Meyer strives to build a high-level

R&D talent team, increases investment in technical

innovation, enhances engineering ideas, promotes intelligent manufacturing, thus making Meyer tire X-ray

Adhering to the idea of "bring everyone a safe and healthy life", Meyer has expanded X-ray detection applications to

cover packaged food inspection, canned food, aquatic products inspection, fish bone, sealing oil leak detection,

etc., mainly provide X-ray foreign body detection, defect detection, weight, and the sealing solution, create greater

inspection machine to the best.

value for customers.

Food Material

beans nuts



preserved fruit

Packaged Food



jelly

leisure food

barrelled instant

noodles



Aquatic Products











ham

ham sausage

Canned Food

pork





milk powder

fruit & vegs can

Application field





stonesing material

ceramics





fish bones

oil leakage

content leakage



metal



vegs



cashew



seasoning



pickled cabbage

additives



yeast powder



squid arms



octopus



shrimp paste



meat ball



beef



luncheon meat

pickles can

TCM particles



glass











mis

weight classification



M DRIVEN BY TECHNICAL INNOVATION

M FOCUS ON X-RAY DETECTION, SAFEGUARD PRODUCTS'SAFETY

Meyer X-ray inspection machine

Advanced X-ray imaging technology with intelligent recognition algorithm can accurately detect metal impurities and more dense non-metal impurities, product defects, packaging damage and weight detection.



RECOGNITION DYSTEM

X-ray HD Imaging System

The ultra-high resolution sensor combined with Meyer patented enhanced algorithm can identify the gray level difference of the image to ensure that there is no hiding of impurities.

Beryllium Window Emitter

High-definition imaging, tiny impurities and impurities of density similar to each other can be easily identified.

Ultra High-definition Sensor

The max detection width up to 600mm, equipped with high frequency vibrator, meets the requirements of large output processing.

Microfocal Imaging Technology

The imaging resolution is 20% higher than ordinary X-ray, and the imaging of impurities in packaging is clearer.



SNIPER SYSTEM Maglev Ejector 3.0

Long service life, the key rejection device. Core patent, intelligent production.

Flexible Removal

Precise positioning of impurity center point, more gentle removal, less breakage.

Rich Removal Devices

Rich removal devices like blowing removal, swing removal, crawler push plate out, ejector removal, roller push plate removal, etc. are free to apply to different scenes.



INTELLIGENT SYSTEM One-key Self-learning Support deep learning, imitation of human

brain recognition, matching optimal recognition algorithm, higher detection accuracy.

Anti-deviation Design

Effectively avoid conveyor belt deviation, more durable and stable operation.



INTERACTIVE SYSTEM

Extra-simple Interface

The extremely simplified interface makes the operation more worry-free. Built-in learning package, easy access to massive learning content.

Remote Contactless Service

Remote debugging, remote control, smart backup, smart checkup.

Smart Alarm

Visual LED alarm panel shows the abnormal situation clearly. Fault self-checking, no manual troubleshooting is required.



N INTEGRATED STRUCTURE DESIGN MORE PRECISE AND RELIABLE



Meyer x-ray inspection machine for food material

Precise Identification 350W Beryllium window emitter show clear imaging, easy to identify impurities of similar density

- Outstanding Yields Special wide range detection sensor and high-frequency vibrator satisfy large yields requirement
- Low Consumption, High Profits creative high speed ejector removal device accurately removes impurities
- Wide Application Widely used in the sorting and detection of nuts, kernels, peanuts, beans, dehydrated vegetables, tea, herbs and other bulk materials



All new multi-use Meyer X-ray inspection machine

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Ceramics



Inspection Impurity

Glass

Red Beans Seed Kernel Pistachio

Clod

Chilli

Sand

Raisin

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Dehydrated Tea
Vegs
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Shell

Cashew Peanut





Metal





Name	60XS/80XS	Name	60XS/80XS	Name	60XS/80XS
Model	MY8045-60XS/MY8060-80XS	X-Ray output(W)	350 (Max)80kV/8.0mA adjustable	Conveyor belt speed (m/min)	90-120 adjustable
	SUS ball≥φ0.3	Conveyor belt width(mm)	470/620	Removal device	60/80Spray valve
sitivity -load)	SUS wire≥ф0.2×2		110/020		
	Glass ball≥φ1.0	Net weight(kg)	850/950	Main material	SUS 304
	Ceramic ball≥φ1.0	Configuration(mm)(LxWxH)	3450x1320x2370/ 3450x1460x2380	Power supply (V)	Single phase AC220±10%, 50/60Hz, 2kw/2.5Kw
	Service environment (Ambient temperature)-10~40°C , Relative No condensation,no freezing,upheaval			Protection Level	Transmission part IP65, Other IP54

Rubber &

Plastics



M PACKAGED FOOD INSPECTION EXPERT





FOR LARGE PACKAGED FOOD INSPECTION

N DOUBLE LIGHT SOURCE IMAGING **DESIGNED FOR CANNED FOOD INSPECTION**



Meyer x-ray inspection machine for large packaged food

Wide Detection Range 480W high-power high-pressure emitter, stronger to penetrate heavy materials, support large packaged food detection ≤25kg

High Inspection Accuracy Ultra clear image recognition algorithm is designed for impurity inspection in heavy material, outstanding effect

Stable Operation Automatic anti-deviation conveyor belt design avoids the belt deviation











Addictives

Inspection Image

Yeast Powder

Inspection Image

Name	580XM	Name	580XM	Name	580XM
Model	MY12060-XM	Size of materials(mm)	Width≤580, Height≤300 Trapezoidal detection area	X-Ray output(W)	480W(Max)120kV/8.0m adjustable optional350W(Max)80kV/8.0m adjustable
-lo Isi	SUS ball≥φ0.3	Conveyor belt width(mm)	700	Conveyor belt speed (m/min)	10-40
	SUS wire≥φ0.2x2	Configuration(mm)(LxWxH)	2250x1380x2110	Removal device	Alarm and pneumatic push plate rejection
	Glass ball≥φ1.0	Net weight(kg)	700	Main material	SUS 304
	Ceramic ball≥φ1.0	Load(kg)	50	Power supply (V)	Single phase AC220V±10%, 50/60Hz, 2.5kw
Serv	vice environment	(Ambient temperature)-10~40 No condensation,no freezing,	°C ,Relative humidity30-90%, upheaval	Protection Level	Transmission part IP65, Other IP54



Canned Asparagus Dpear

Inspection Image

Name	2XLG/XLG	Name	2XLG/XLG	Name	2XLG/XLG
Model	MY12015D-XL	Size of materials(mm)	Diameter≤150, Height≤250	X-Ray output(W)	480(Max)120kV/8.0mA adjustable
	SUS ball≥φ0.3	Conveyor belt width(mm)	150	Conveyor belt speed (m/min)	10-50adjustable
Sensitivity (no-load)	SUS wire≥ф0.2x2	Configuration(mm)(LxWxH)	5000x1460x1980	Removal device	Alarm and pneumatic push plate rejection
	Glass ball≥φ1.0	Net weight(kg)	900	Main material	SUS 304
	Ceramic ball≥φ1.0	Load(kg)	10	Power supply (V)	Single phaseAC220V±10%, 50/60Hz, 4.5kw
Service environment (Ambient temperature)-10~40°C , Relative humidity No condensation,no freezing,upheaval		~40°C ,Relative humidity30-90%, ng,upheaval	Protection Level	Transmission part IP65, Other IP54	

Name	2XLG/XLG
X-Ray output(W)	480(Max)120kV/8.0mA adjustable



NY REVEAL THE HIDDEN FISHBONE

M ACCURATE OIL & CONTENT LEAKAGE **ELIMINATION ONE FOR VARIOUS APPLICATION**



Meyer Ultra HD X-ray inspection machine





New Meyer X-ray inspection machine for oil leakage



Fillet



Baby milke





Inspection imag

Name	2XMF/XMF	Name	2XMF/XMF	Name	2XMF/XMF
Model	MY8045-XM	Size of materials(mm)	Narrow type width≤190, Wide type width≤390, Height≤200	X-Ray output(W)	350(Max)80kV/8.0mA adjustable
		Conveyor belt width(mm)	440	Conveyorbeltspeed(m/min)	10-20
(no-l		Configuration(mm)(LxWxH)	1000x1150x2100	Removal device	(fishbone detection) Auxiliary manual, automatic identification of fishbone assistance optional, other detections can be equipped with rejecting devices
oad)	⊂⊄ ≥φ0.05	Net weight(kg)	500	Main material	SUS 316L
~		Load(kg)	10	Power supply (V)	Single phase AC220V $\pm 10\%, 50/60$ Hz, 2kw
Service environment		(Ambient temperature)-10~ No condensation,no freezir	40°C ,Relative humidity30-90%, ng,upheaval	Protection Level	Transmission part IP65, Other IP54

Oil leakage Inspection



Weight Classification

Name	200XMM	Name	200XMM
Model MY4022-XM		Belt speed(m/min)	40 adjustable
Configuration(mm)(LxWxH)	1175x980x1900	Throughput	(Max)220packs/min
Detected material(mm)	About 100x70, Aluminum foil small package	Human-computer interaction	17-inch LCD screen
Function	Sealing oil leakage, weight classification, foreign object detection	X-ray leak	< 1µSV/h
Size of materials(mm)	Width≤200, Height ≤50	Waterproof level	Transmission part IP66, Other IP65





Content Leakage Inspection

Impurity Detection



X-RAY SECURITY AND RELEVANT REGULATIONS







Thanks for your smart choice.



N CUSTOMER PRODUCTION LINES





Meyer ——China's leading X-ray inspection machine supplier

World leading intelligent inspection equipment supplier China 500 Most Valuable Listed Companies Hurun China 500 Most Valuable Private Companies Major High Technology Expertise under China Torch Program 60,000+ equipment are in operation worldwide Products cover 100+ countries and regions

National Science & Technology Progress Award (second award) National Innovative Enterprise National Technological Innovation Model Enterprise National Intellectual Property Demonstration Enterprise National Post-doctoral Research Workstation National Certified Enterprise Technology Center





THE 1ST SMART FACTORY IN THE INDUSTRY

STANDARDIZATION MODULARIZATION INTELLIGENTIZATION DIGITALIZATION







processing production line



Color sorter final assembly line

Unmanned maglev ejector production line





Automatic circuit board SMT production line

Automatic frame powder spraying production line



Over 20 automatic intelligent production lines and unmanned core component workshops World-leading machining equipment ensure high consistency and precision of parts Advanced production technology and strict debugging ensure the stable performance of core components

The only high-standard intelligent painting workshop in the industry makes Meyer color sorter more corrosion-resistant and more environment-friendly

The only final assembly line in the industry, with the CNC system automatically monitoring the whole process, boosts production's efficiency

Making products to the best, whether 1 or 10,000 sets, always with the consistent quality.

