

X-RAY INSPECTION SYSTEM

WVORKAUF

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WHOLE CHAIN INSPECTION SOLUTION



INNOVATION & TECHNOLOGY IN FOOD INSPECTION

OUR VISION: LEADING THE INDUSTRY – TOGETHER WITH YOU

Who is the best technology-partner when it comes to detection devices? Who is reliable, offers a range of machines matching the individual process of manufacture? Who has the latest technologies available plus first-class service and spare-part-delivery? Who is constantly developing and researching to be exactly the right choice also in the future? Questions like this were driving us to where we are today – and we keep doing!

WHY X-RAY

X-Ray inspection detects physical objects that cannot be identified visually. Unlike traditional metal detectors X-Ray technology can detect in processed food operations metallic contaminants even smaller than one millimeter and also non-metallic contaminants (hard plastic, hard rubber, bones, ceramic, glass, stones etc.). It can inspect non-metallic and metallic packaging like cans or clipped products. Inspection is not affected by temperature, humidity, vibrations, salt content etc. Applications are constantly expanding for this powerful technology, which is not only used for detecting contaminants. Additionally, also defects in shape, quantity and other aspects are identified.

Consequently, X-Ray has been becoming the new safety standard for the food industry.



EVERYTHING STARTS WITH A GOOD IDEA-OUR GERMAN ROOTS

With more than 25 years of experience in this highly competitive sector isiray is the German think-tank behind all Rayman-Tech machinery. Knowing the industry and customer 's demands, talking to customers and planning future projects, isiray is RaymanTech 's driving force by constantly evaluating the needs of one of the most demanding markets worldwide:

Europe. This extremely challenging field concerning detection results, usability, durability, hygienic design, efficiency and of course costs is our Core-market, and this is where the DNA of our machines was originated. Besides Europe of course also customer-experiences from all other markets still influence our way of thinking and developing our machines.

European research and German engineering combined with two sophisticated production-facilities - one in Germany for the European and USA customers, one in Shanghai for the Asian market - are premium not only for our global operating customers.

WHY RAYMANTECH

Since ever it is our daily goal to set new standards in the world of food-safety. We improve existing technologies, invent new features and push limits. Knowledge of the industry, seeing all the good and less good machines in the market and knowing our customer's néeds, our core-competence leads us where we are now:

Today RaymanTech is the number one supplier with the biggest imaginable range of machines in the world of detection devices for the food industry, present in almost every country on the planet.

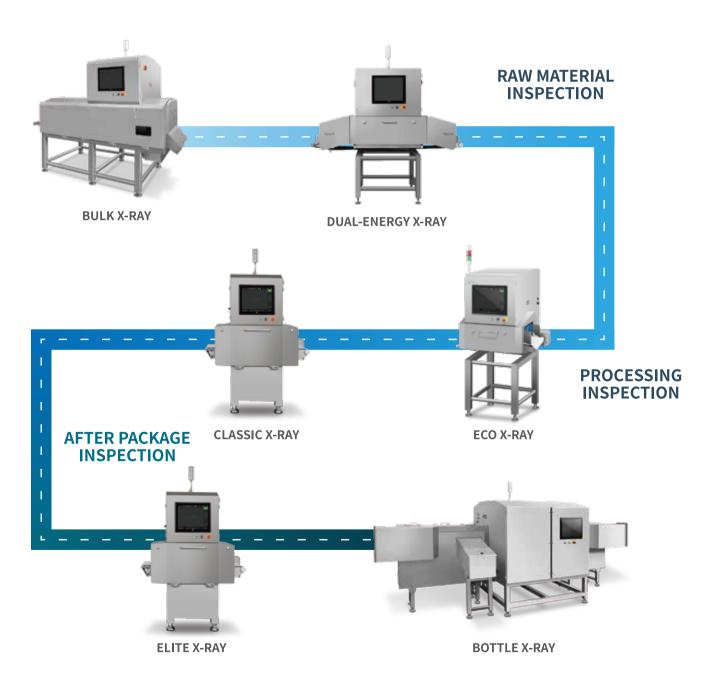
Offering machines for every application field in the food industry our customer can choose from low-price entry-models up to high-end machines equipped with the utmost significant components from leading providers. We invent new solutions like the combination of X-Ray and optical systems. And the power of artificial intelligence can also be used in every machine.

Of course, we own every relevant certificate and licence like CE, radiation safety permit etc.

WHOLE CHAIN INSPE

RAYMANTECH provides a whole chain solution including raw material inspection, processing inspection, after package inspection.

INSPECTION RANGE foreign body contamination inspection, residual bone and fish bone inspection, fat content analysis, missing parts inspection, weight measurement, color recognition, sealing inspection, filling control etc.



CTION SOLUTIONS

	CONVENTIONAL CONTAMINANTS	ORGANIC & LOW DENSITY CONTAMINANTS	SHRINKING, MILDEW, EMPTY, HALF	BONES INSPECTION
RAW MATERIAL INSPECTION	SUS BALL Φ0.3mm Φ0.4mm Φ0.5mm Φ0.6mm Φ0.7mm Φ0.8mm	Stick Cigarette Butts	Mildew Shrinking	Bone
×	SUS WIRE 0.2*2mm 0.3*2mm 0.4*2mm	Button Insects	Wormhole Kernel	Fish Bones
V	0.5*2mm 0.6*2mm 0.7*2mm	DEFECTS INSPECTION	FILLING CONTROL	COLOR RECOGNITION 💬
PROCESSING INSPECTION	GLASS BALL Φ0.8mm Φ1.0mm Φ1.5mm Φ2.0mm Φ2.5mm Φ3.0mm PTFE BALL Φ0.8mm	Defects	Filling Level	Color Recognition
×	Ф1.0mm Ф1.5mm	SEALING INSPECTION 🍄	WEIGHT CHECKING	MISSING INSPECTION
AFTER PACKAGE INSPECTION	Φ2.0mm Φ2.5mm Φ3.0mm CERAMIC BALL Φ0.8mm Φ1.0mm Φ1.5mm Φ2.0mm Φ2.5mm Φ3.0mm	Sealing Inspection	Virtual Weighing & Fat Content Determination	Counting Function

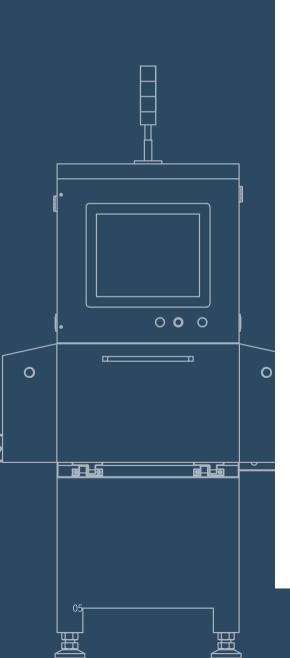
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X-RAY INSPECTION SYSTEMS

FOR GLASS BOTTLES/CANS

SINGLE BEAM SERIES RXP-1630SH (INCLINED UPWARDS) RXP-1630OI (INCLINED DOWNWARDS)	18 18 18
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TRIPLE BEAM SERIES RXP-2025SH PRO (SPLIT) RXP-2025SO	20 20 20
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FOR BULK PRODUCTS	
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FOR SAUCE AND LIQUID	
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X-RAY SYSTEM CHARACTERISTICS

ACCURATE & EFFICIENT/STABLE & RELIABLE

- Based on a complete set of detection algorithms and image processing software, it can achieve accurate, efficient, stable and reliable detection of tiny contaminants in single-channel or multi-channel applications, and can simultaneously do multiple quality control, completeness check, sealing detection, weight check, filling level control, fat content analysis, residual bone and fish bone scanning.
- Customized intelligent software perfectly realizes the detection accuracy and stability that are difficult to achieve by traditional X-Ray machines, greatly improves the recognition rate of various low-density foreign objects such as plastic flakes, mud blocks, cable ties, cigarette butts, insects, etc. and expands the scope of product completeness check and multiple quality control.

HYGIENE DESIGN/IN ACCORDANCE WITH INDUSTRY STANDARDS

- The design is hygienic and has no dead ends, preventing water accumulation. It can quickly drain water by itself, avoiding providing microbial growth environment.
- Food contact areas are all food-grade materials, compatible with products, environment, clean, and have high strength and corrosion resistance. No spray coating, will not contaminate food due to coating peeling.

FLEXIBLE APPLICATION / SAFE TO USE

- Provide 240-600mm wide, 110-300mm high through tunnel, and configure 1-108 channels on demand, to meet different product applications.
- Provide solutions for various forms of products such as bag/box/carton, bottle, can, bulk, unpackaged, etc.
- Incorporates a radiation-free leakage safety mechanism to meet clients' requirements.



QUICK SETUP / INFORMATION MANAGEMENT / CONTROL & AUTHENTICATION

- Auto-setup feature ensures quick setup with simple operation.
- Historical data statistics, quality report generation, reminder time record, full box reminder of defective products, and security authority login management help enterprises to effectively manage actual operations.
- Equipment condition monitoring for better process control.



AI INTELLIGENT TECHNOLOGY

Al intelligent technology in X-Ray inspection system is adopted to replace manual analysis of images to quickly and accurately distinguish the target product shape, size, appearance etc.

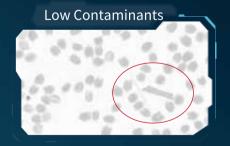
MAIN ADVANTAGES OF AI INTELLIGENT TECHNOLOGY:

- Better sensitivity and better stability.
- Possible to inspect / detect low density contaminants and organic contaminants.
- Possible to inspect / detect wormhole, shrinking, mildew, kernels etc.
- Possible to inspect product sealing, stuffing and leakage.
- Better results for bones inspection.
- Better results for contaminants in cans, jars and bottles.

TECH +

INSPECTION RESULTS

SOLUTIONS

















Inspection of metal and non-metal contaminants mixed in metallic and non-metallic package. It can also inspect the defects, weight and sealing of the products. The inspection results will not be affected by temperature, humidity, salt content etc.



RXE ECO SERIES •

FEATURES:

- METAL AND NON-METAL CONTAMINANTS INSPECTION
- COMPACT DESIGN
- P65 PROTECTION FOR INSPECTION TUNNEL
- VIRTUAL WEIGHING, MASKING FUNCTION
- DATA TRANSFER
- REMOTE SUPPORT



WIDELY USED TO CHECK SMALL AND MIDDLE SIZE METALLIC AND NON-METALLIC PACKAGED PRODUCTS.



		Specification	on		
Мо	odel	RXE- 1815	RXE- 2815	RXE- 3815	
Inspection	on Height	150mm	150mm	150mm	
Inspecti	on Width	180mm	280mm	380mm	
Best Inspect	ion Sensitivity		ll Φ 0.4-0.5mm, SUS Wire Φ 0.3*2mn Φ 1.0-1.5mm, Ceramic Ball Φ 1.0-1.5		
X-ray	Tube		150W/65kV		
	Speed		5-60m/min		
Conveyor	Width	200mm	300mm	400mm	
Parameter	Max Height	·	150mm		
	Max Load		5kg		
Opei	ration	F	Full-color TFT 15" Touch Screen		
X-ray L	.eakage		<1 μSv/h (CE Standard)		
X-ray Pr	rotection	Protective Curtain			
IP for Inspe	ction Tunnel	IP65			
Product M	anagement	Complete Product Log			
Parameter	Adjustment	Auto Learning/Manual Setting			
Image Ma	nagement	Auto I mage Save/Print/Analyses			
Equipment I	Management	MTBF, MTTR, Error Logs, Error Analysis			
Product	t Storage	Max Storage of Product Parameter Can Reach 1000 Kinds			
Body N	Material	SUS304			
	Dealing	Sand Blasted			
	cation	Easy To Wash			
Cooling	Method	Air Conditioned Cooling			
		Environmental, electrical, ope	erating specifications		
Operating T	emperature	0-40°C			
	Humidity	30-90%			
Power	Supply	220V, AC, 50/60Hz			
0,	/S	Windows 7/Windows 10			
Communica	ation Method	LAN Port, USB Port			

RXI CLASSIC SERIES



FEATURES:

- SMALL CONTAMINANTS INSPECTION
- DEFECTS AND MISSING INSPECTION
- HIGH RESOLUTION DETECTOR
- IP67 PROTECTION FOR INSPECTION TUNNEL
- VIRTUAL WEIGHING AND OTHER APPLICATIONS
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

APPLICABLE FOR ALMOST EVERY PACKAGED PRODUCT.

			Specifi	cation			
Мос	del	RXI-2416	RXI-4016	RXI-4030	RXI-5030	RXI-6030	RXI-8040
Inspectio	n Height	160mm	160mm	300mm	300mm	300mm	400mm
Inspection	on Width	240mm	400mm	400mm	500mm	600mm	800mm
Best Inspection Sensitivity			SUS Ball Φ 0.3mm SUS Ball Φ 0.4mm				
			SUS Wire	Þ 0.2*2mm		SUS Wire	⊅ 0.3*2mm
Destinspecti	on sensitivity			Glass Bal	Φ1.0mm		
				Ceramic Ba	ıll Ф1.0mm		
X-ray	Tube	210W,	/80kV		350W	/80kV	
	Speed	10-60r	n/min		10-40	m/min	
Conveyor	Width	256mm	414mm	414mm	514mm	614mm	814mm
Parameter	Max Height	160	mm		300mm		400mm
	Max Load	10kg	25kg		30kg		40kg
Oper	ation			Full-color TFT 1	7" Touch Screen		
X-ray Le	eakage	<1 μSv/h (CE Standard)					
X-ray Pro	otection	Protective Curtain					
IP for Inspec	tion Tunnel	IP67					
Product Ma	anagement	Complete Product Log					
Parameter A	Adjustment	Auto Learning/Manual Setting					
Image Mar	nagement	Auto I mage Save/Print/Analyses					
Equipment M	0	MTBF, MTTR, Error Logs, Error Analysis					
Product		Max Storage of Product Parameter Can Reach 1000 Kinds					
Body M		SUS304					
Purification		Easy To Wash					
Surface Dealing		Sand Blasted					
Cooling Method		Air Conditioned Cooling					
		Environme	ntal, electrical,	operating spec	ifications		
Operating Te	emperature			0-4	0°C		
Relative I	Humidity	30-90%					
Power Supply		220V, AC, 50/60Hz					
0/		Windows 7/Windows 10					
Communicat	tion Method	LAN Port, USB Port					

RXI ELITE SERIES



FEATURES:

- TINY CONTAMINANTS INSPECTION
- SEALING AND LEAKAGE INSPECTION
- LOW DENSITY CONTAMINANTS INSPECTION
- HIGH RESOLUTION DETECTOR
- COMPLETENESS CHECK
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

HIGH-END SOLUTION FOR SMALLEST CONTAMINANTS IN METALLIZED AND NON-METALLIZED PACKAGED PRODUCTS.

FULL RANGE OF PRODUCT INTERGRITY CHECKS INCLUDED.

			C:f:	antinu			
			Specifi				
Мо	u c t	RXI-2416-HD	RXI-4016-HD	RXI-4030-HD	RXI-5030-HD	RXI-6030-HD	RXI-8040-HD
Inspection		160mm	160mm	300mm	300mm	300mm	400mm
Inspection	on Width	240mm	400mm	400mm	500mm	600mm	800mm
Best Inspection Sensitivity			SUS Ball Φ 0.2mm, SUS Wire Φ 0.15*2mm SUS Ball Φ 0.3mm, SUS Wire Φ 0.2*2mm Glass Ball Φ 0.8mm, Ceramic Ball Φ 0.8-1.0mm, Ceramic Ball Φ 0.8-1.0mm				
X-ray	Tube			350W/80I	ΚV		
	Speed	10-60	n/min	,	10-40r	n/min	
Conveyor	Width	256mm	414mm	414mm	514mm	614mm	814mm
Parameter	Max Height	160	mm		300mm		400mm
	Max Load	10kg	25kg		30kg		40kg
Oper	ation			Full-color TFT 17" T	ouch Screen		
X-ray Leakage			<1 μSv/h (CE Standard)				
X-ray Pr	otection	Protective Curtain					
IP for Inspec	ction Tunnel	IP67/IP69K					
Product Ma	anagement		Complete Product Log				
Parameter.	Adjustment	Auto Learning/Manual Setting					
Image Ma	nagement	Auto Image Save/Print/Analyses					
Equipment N	Management	MTBF, MTTR, Error Logs, Error Analysis					
Product	Storage	Max Storage of Product Parameter Can Reach 1000 Kinds					
Body M	1aterial		SUS304				
Purifi	cation			Easy To Wa	ash		
Surface	Dealing			Sand Blast	ed		
Cooling Method Air Conditioned Cooling							
		Enviro	nmental, electrical	, operating spec	ifications		
Operating T	emperature			-10-40°C			
Relative Humidity		30-90%					
Power Supply 220V, AC, 50/60Hz							
O/S Windows 7/Windows 10							
Communica	tion Method			LAN Port, US	3 Port		



RXI- MS SERIES FOR THIN CONTAMINANTS & BONES

FEATURES:

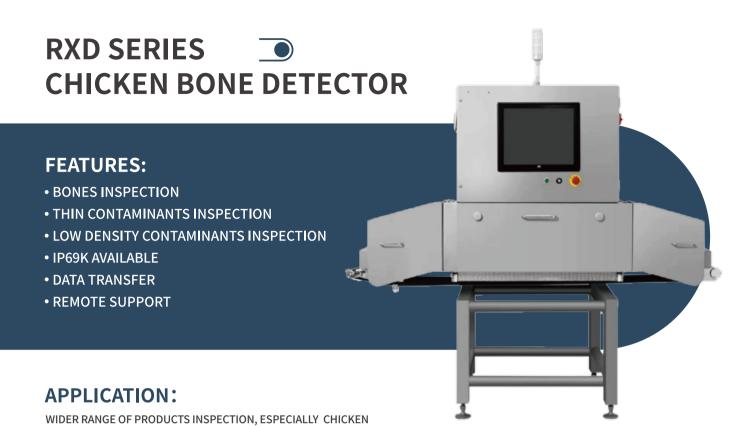
- THIN CONTAMINANT DETECTION
- LOW DENSITY CONTAMINANT DETECTION
- BONE DETECTION
- UNEVEN PRODUCTS DETECTION
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

POPULAR FOR DETECTING (FROZEN) PRODUCTS IN FLOW BAGS LIKE VEGETABLES, FRENCH FRIES ETC.

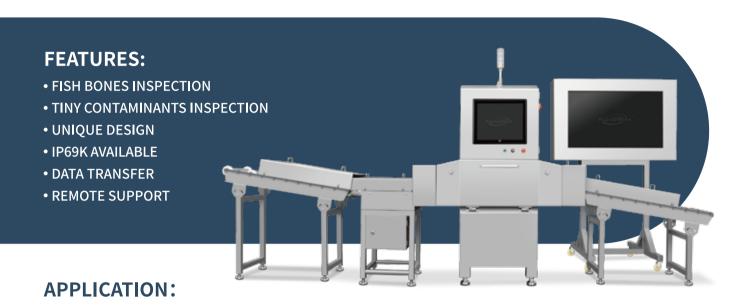
		Specification		
Model		RXI-MS-4016	RXI-MS-6030	
Inspection	n Height	160mm	300mm	
Inspection	n Width	400mm	600mm	
Best Inspectio	n Sensitivity	SUS Ball Ф 0.2mm, SUS Glass Ball Ф0.8mm, Cer		
X-ray T	ube	350W/8	0kV	
	Speed	10-60m/min	10-40m/min	
Conveyor Parameter	Width	420mm	600mm	
Conveyor Farameter	Max Height	160mm	300mm	
	Max Load	25kg	30kg	
Opera	tion	Full-color TFT 17" Touch Screen		
X-ray Lea		<1 μSv/h (CE Standard)		
X-ray Pro		Protective Curtain		
IP for Inspect		IP67		
Product Mar		Complete Product Log		
Parameter A	,	Auto Learning/Manual Setting		
Image Man		Auto Image Save/Print/Analyses		
Equipment Ma		MTBF, MTTR, Error Logs, Error Analysis		
Product S		Max Storage of Product Parameter Can Reach 1000 Kinds		
Body Ma		SUS304		
Purifica		Easy To Wash		
Surface Dealing		Sand Blasted		
Cooling Method		Air Conditioned Cooling		
		Environmental, electrical, operating specification	ations	
Operating Temperature		0-40°C		
Relative H	lumidity	30-90%		
Power St	upply	220V, AC, 50/60Hz		
0/9	S	Windows 7/Windows 10		
Communicati	ion Method	LAN Port, USB Port		



		Specification	
	Model	RXD-4010 One Lane/Double Lane	
Ins	pection Height	100mm	
Ins	spection Width	400mm	
D+ l		SUS Ball ⊕ 0.2mm, SUS Wire ⊕ 0.15*2mm	
bestin	spection Sensitivity	Glass Ball Φ0.8mm, Ceramic Ball Φ0.8mm	
	X-ray Tube	350W/80kV	
	Speed	60m/min	
Conveyor	Width	414mm	
Parameter	Max Height	100mm	
	Max Load	25kg	
	Operation	Full-color TFT 17" Touch Screen	
Х	-ray Leakage	<1 μSv/h (CE Standard)	
X-	ray Protection	Protective Tunnel	
IP for l	Inspection Tunnel	IP67/IP69K	
	uct Management	Complete Product Log	
Parar	meter Adjustment	Auto Learning/Manual Setting	
	ge Management	Auto Image Save/Print/Analyses	
Equipr	ment Management	MTBF, MTTR, Error Logs, Error Analysis	
	oduct Storage	Max Storage of Product Parameter Can Reach 1000 Kinds	
	ody Material	SUS304	
	Purification	Easy To Wash	
	ırface Dealing	Sand Blasted	
Cooling Method		Air Conditioned Cooling	
	Envir	onmental, electrical, operating specifications	
Opera	ting Temperature	-10-40°C	
Relative Humidity		30-90%	
Р	ower Supply	220V, AC, 50/60Hz	
	O/S	Windows 7/Windows 10	
Comm	ommunication Method LAN Port, USB Port		

BONEDETECTION.

RXF SERIES FISH BONE DETECTOR



WIDELY USED TO CHECK FISH BONES.

		Specification	
Model		RXD-4010 One Lane/Double Lane	
Inspection Height		100mm	
Inspe	ction Width	400mm	
Best Inspe	ection Sensitivity	Fish bone size: ♦ 0.2*2mm	
Х-1	ray Tube	350W/80kV	
Conveyor	Speed	5-20m/min	
Parameter	Width	4 14mm	
raiailletei	Max Height	100mm	
0	peration	Full-color TFT 17" Touch Screen	
X-ra	y Leakage	<1 µSv/h (CE Standard)	
X-ray	Protection	Lead/Lead-free Protective Curtain	
IP for Ins	pection Tunnel	IP67/IP69K	
Product	t Management	Complete Product Log	
Parameter Adjustment		Auto Learning/Manual Setting	
Image Management		Auto Image Save/Print/Analyses	
Equipment Management		MTBF, MTTR, Error Logs, Error Analysis	
Product Storage		Max Storage of Product Parameter Can Reach 1000 Kinds	
Rejector		Alarm and Belt Stop	
Bod	y Material	SUS304	
Pu	rification	Easy To Wash	
Cool	ing Method	Air Conditioned Cooling	
		Environmental, electrical, operating specifications	
Operating Temperature		-10-40°C	
Relative Humidity		30-90%	
Pow	er Supply	220V, AC, 50/60Hz	
	O/S	Windows 7/Windows 10	
Commun	ication Method	LAN Port, USB Port	



SINGLE BEAM SERIES



FEATURES:

- SMALL CONTAMINANTS INSPECTION
- FILLING LEVEL INSPECTION
- GLASS INSPECTION IN GLASS JARS
- METAL DETECTION IN METAL CANS
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

WIDELY USED TO CHECK PRODUCTS IN PET BOTTLES.
INCLINED DOWNWARDS IS SPECIAL FOR INSPECTION OF FLUID AND SEMI-FLUID PRODUCTS.

		Specification		
Mod	el	RXP-1630SH (Inclined Upwards)	RXP-1630OI (Inclined Downwards)	
Inspection	n Height	280mm		
Inspection	n Width	160mm		
Best Inspection Sensitivity		Ferrous Ball ⊕0.3mm, Ferrous Wire ⊕0.3*2mm		
<u> </u>		Glass Ball Ф1.0mm, Cera		
X-ray T		480W/120		
Conveyor Parameter	Speed	10-60m/min (90m/m	·	
	Width	150mm		
Opera	tion	Full-color TFT 17" T	ouch Screen	
X-ray Lea	akage	<1 μSv/h (CE S	·	
X-ray Pro	tection	Closed Stainless Steel 304 Cover		
Product Mar	nagement	Complete Product Log		
Parameter A	djustment	Auto Learning/Manual Setting		
Image Man	agement	Auto I mage Save/Print/Analyses		
Equipment Ma	anagement	MTBF, MTTR, Error Logs, Error Analysis		
Product S	Storage	Max Storage of Product Parameter Can Reach 1000 Kinds		
Body Ma	aterial	SUS304		
Surface D	Dealing	Sand Blasted		
Rejec	tor	High Speed Push Exclusion		
Cooling N	Method	Air Conditioned	Cooling	
		Environmental, electrical, operating specificat	tions	
Operating Te	mperature	0-40°C		
Relative H	lumidity	30-90% (no d	dew)	
Power St	upply	220V, AC, 50/60Hz		
0/9	5	Windows 7/Windows 10		
Communicati	ion Method	LAN Port, USB Port		

DOUBLE BEAM SERIES



FEATURES: • BETTER DETECTION RATIO FOR IRREGULAR CONTAMINANTS • SMALL CONTAMINANT DETECTION • FILLING LEVEL CONTROL • GLASS INSPECTION IN GLASS JARS • METAL INSPECTION IN METAL CANS • DATA TRANSFER • REMOTE SUPPORT

APPLICATION:

WIDELY USED TO CHECK PRODUCTS IN CANS, JARS AND HOMOGENEOUS SHAPED GLASSES AND BOTTLES. DOUBLE CROSS VIEW ENHANCES DETECTION RESULTS SIGNIFICANTLY.

		Specification	
	Model	RXP-2025DH	
Inspection Height		260mm	
Inspe	ection Width	160mm	
Best Inspe	ection Sensitivity	Ferrous Ball Φ0.3mm, Ferrous Wire Φ0.3*2mm Glass Ball Φ1.0mm, Ceramic Ball Φ1.0mm	
X-	ray Tube	480W/120kV	
Conveyor	Speed	10-60m/min (90m/min is optional)	
Parameter	Width	150mm	
0	peration	Full-color TFT 17" Touch Screen	
X-ra	y Leakage	<1 μSv/h (CE Standard)	
X-ray	Protection	Protective Tunnel	
Produc	t Management	Complete Product Log	
Parame	ter Adjustment	Auto Learning/Manual Setting	
Image	Management	Auto I mage Save/Print/Analyses	
Equipme	nt Management	MTBF, MTTR, Error Logs, Error Analysis	
Prod	uct Storage	Max Storage of Product Parameter Can Reach 1000 Kinds	
F	Rejector	High Speed Push Exclusion	
Bod	ly Material	SUS304	
Surfa	ace Dealing	Sand Blasted	
Cool	ing Method	Air Conditioned Cooling	
	E	nvironmental, electrical, operating specifications	
Operating Temperature		0-40°C	
Relative Humidity		30-90% (no dew)	
Pow	er Supply	220V, AC, 50/60Hz	
	O/S	Windows 7/Windows 10	
Commun	nication Method	LAN Port, USB Port	

TRIPLE BEAM SERIES



FEATURES:

- TRIPLE BEAMS, HIGH-END SOLUTION
- THREE SETS OF IMAGING SYSTEMS
- SMALL CONTAMINANT DETECTION
- FILLING LEVEL CONTROL
- GLASS INSPECTION IN GLASS JARS
- METAL INSPECTION IN METAL CANS
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

WIDELY USED TO CHECK PRODUCTS IN CANS, JARS AND MORE COMPLEX SHAPED GLASSES AND BOTTLES. THIRD INSPECTION ANGLE DELIVERS HIGHEST DETECTION PERFORMANCE AND AVOIDS ANY BLIND SPOT.

		Specification	
Mo	odel	RXP-2025SHPRO (SPLIT)	RXP-2025SO
Inspection Height		260mm	
Inspection Width		160mm	
Best Inspection Sensitivity		Ferrous Ball Φ0.3mm, Ferrous Wire Φ0.3*2mm	
		Glass Ball Φ 1.0mm, Ceramic Ball Φ 1.0mm	
X-ray Tube		480W/120kV	
Conveyor Parameter	Speed	10-60m/min (90m/min is optional)	
Conveyor Parameter —	Width	150mm	
Ope	ration	Full-color TFT 17" Touch Screen	
X-ray Leakage		<1 μSv/h (CE Standard)	
X-ray P	rotection	Occlusive Protective Tunnel	
Product Management		Complete Product Log	
Parameter Adjustment		Auto Learning/Manual Setting	
Image Management		Auto I mage Save/Print/Analyses	
Equipment I	Management	MTBF, MTTR, Error Logs, Error Analysis	
Product Storage		Max Storage of Product Parameter Can Reach 1000 Kinds	
Body Material		SUS304	
Surface Dealing		Sand Blasted	
Reje	ector	High Speed Push Exclusion	
Cooling	g Method	Air Conditioned Cooling	
		Environmental, electrical, operating specification	ons
Operating Temperature		0-40°C	
Relative Humidity		30-90% (no dew)	
Power Supply		220V, AC, 50/60Hz	
O/S		Windows 7/Windows 10	
Communication Method		LAN Port, USB Port	

QUAD BEAM SERIES



FEATURES:

- FOUR BEAMS, HIGH-END SOLUTION
- FOUR SETS OF IMAGING SYSTEMS
- SMALL CONTAMINANT DETECTION
- FILLING LEVEL CONTROL
- GLASS INSPECTION IN GLASS JARS
- METAL INSPECTION IN METAL CANS
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

MAINLY USED IN HIGH-SPEED PRODUCTION LINES WHERE MORE THAN THREE INSPECTION-VIEWS ARE RECOMMENDED. LOW FOLLOWING COSTS THANKS TO SPLIT-BEAM TECHNOLOGY.

		Specification	
Model		RXP-2025SO PRO	
Inspection Height		260mm	
Inspection Width		160mm	
Best Inspection Sensitivity		Ferrous Ball Ф0.3mm, Ferrous Wire Ф0.3*2mm Glass Ball Ф1.0mm, Ceramic Ball ф1.0mm	
Х	(-ray Tube	480W/120kV	
Conveyor	Speed	10-60m/min (90m/min is optional)	
Parameter	Width	150mm	
(Operation	Full-color TFT 17" Touch Screen	
X-ray Leakage		<1 μSv/h (CE Standard)	
X-ra	y Protection	Sides: Occlusive Protective Tunnel	
Produ	ct Management	Complete Product Log	
Param	eter Adjustment	Auto Learning/Manual Setting	
Image	e Management	Auto Image Save/Print/Analyses	
Equipm	ent Management	MTBF, MTTR, Error Logs, Error Analysis	
Product Storage		Max Storage of Product Parameter Can Reach 1000 Kinds	
Rejector		Alarm and Reject (High Speed Push Bar)	
Во	dy Material	SUS304	
Sur	face Dealing	Sand Blasted	
Cod	oling Method	Air Conditioned Cooling	
	E	nvironmental, electrical, operating specifications	
Operating Temperature		0-40℃	
Relative Humidity		30-90% (no dew)	
Power Supply		220V, AC, 50/60Hz	
O/S		Windows 7/Windows 10	
Communication Method		LAN Port, USB Port	

FOR BULK PRODUCTS

X-RAY INSPECTION SYSTEM

Inspection of metal, non-metal and organic contaminants mixed in raw materials. Special structure design, to achieve better sensitivity and minimum quantity of waste. Intelligent algorithms with special hardware, making it possible to detect organic contaminants, low density contaminants, shrinking, mildew, empty shells, half pieces, shell fragments, kernel, etc.

RaymanTech's Combo solution allows to check contaminants and color differences simultaneously by adding visual color sorter.



RXB-HD SERIES •

FEATURES:

- SMALL CONTAMINANT INSPECTION
- ORGANIC CONTAMINANT INSPECTION
- LOW DENSITY CONTAMINANT INSPECTION
- SHAPE INSPECTION
- 48/72 AIR JET REJECTOR SYSTEM
- REMOTE SUPPORT



APPLICATION:

WIDELY USED FOR PRE-PACKAGING PRODUCT LIKE NUTS, GRAINS, CORNS, SUNFLOWER SEEDS, BEANS, CASHEW, FROZEN FRUITS.

		Specification	
Model		RXI-4010BHD	RXI-6010BHD
Inspection Height		100mm	
Inspection Width		400mm	600mm
Best Inspection Sensitivity		Sus Ball Φ0.2mm, Sus Wire Φ0.15*2mm Glass Ball Φ0.8mm, Ceramic Ball φ0.8mm	
X	८-ray Tube	350W/80kV	
	Speed	90m/min	
Conveyor	Width	414mm	614mm
Parameter	Max Height	100mm	
	Max Load	25kg	
(Operation	Full-color TFT 17" Touch Screen	
X-r	ray Leakage	<1 μSv/h (CE Standard)	
X-ra	ay Protection	Protective Tunnel	
IP for Ir	nspection Tunnel	IP67/IP69K	
Product Management		Complete Product Log	
Param	neter Adjustment	Auto Learning/Manual Setting	
Imag	e Management	Auto I mage Save/Print/Analyses	
Equipm	nent Management	MTBF, MTTR, Error Logs, Error Analysis	
Pro	duct Storage	Max Storage of Product Parameter Can Reach 1000 Kinds	
Вс	ody Material	SUS304	
Sur	face Dealing	Sand Blasted	
P	Purification	Easy to Wash	
Rejector		48 Tunnel Air Jet Rejector	72 Tunnel Air Jet Rejector
Cooling Method		Air Condition	ed Cooling
	Environ	mental, electrical, operating specificatio	ons
Operating Temperature		0-40°C	
Relative Humidity		30-90%	
Power Supply Power Supply		220V, AC, 50/60Hz	
O/S		Windows 7/Windows 10	
Communication Method		LAN Port, USB Port	

RXB-HD-VI COMBO-SERIES



FEATURES:

- TINY CONTAMINANT DETECTION
- COLOR SORTING
- SHAPE DETECTION
- ORGANIC CONTAMINANT DETECTION
- 48/72 AIR JET REJECTOR SYSTEM
- REMOTE SUPPORT



APPLICATION:

COMBO BULK INSPECTION MACHINE FOR CONTAMINANTS INSPECTION, COLOR SORTING AND SHAPE RECOGNITION AT THE SAME TIME.

Insp	Model ection Height	Specification RXI-4010BHD VI	
Insp		RXI-4010BHD VI	
Insp	ection Height	IVVI TOTODID VI	
	CCUOTTICISTIC	100mm	
Inspection Width		400mm	
Best Inspection Sensitivity		SUS Ball Φ 0.2mm, SUS Wire Φ 0.15*2mm Glass Ball Φ 0.8mm, Ceramic Ball Φ 0.8mm	
X-ray Tube		350W/80kV	
	Speed	90m/min	
Conveyor Parameter	Width	414mm	
Conveyor Parameter	Max Height	100mm	
	Max Load	25kg	
(Operation	Full-color TFT 17" Touch Screen	
X-r	ay Leakage	$<$ 1 μ Sv/h (CE Standard)	
X-ra	ay Protection	Protective Tunnel	
IP for Ir	nspection Tunnel	IP67/IP69K	
Produ	ct Management	Complete Product Log	
Param	eter Adjustment	Auto Learning/Manual Setting	
Image	e Management	Auto Image Save/Print/Analyses	
Equipment Management		MTBF, MTTR, Error Logs, Error Analysis	
Pro	duct Storage	Max Storage of Product Parameter Can Reach 1000 Kinds	
	Rejector	48 Tunnel Air Jet Rejector	
Во	ody Material	SUS304	
	face Dealing	Sand Blasted	
Cod	oling Method	Air Conditioned Cooling	
	Environ	mental, electrical, operating specifications	
Operating Temperature		0-40°C	
Relative Humidity		30-90%	
Power Supply		220V, AC, 50/60Hz	
O/S		Windows 7/Windows 10	
Communication Method		LAN Port, USB Port	



RXI-HDP SERIES



FEATURES:

- HIGH SENSITIVITY AND STABILITY
- HYGIENIC DESIGN
- HIGH IP PROTECTION
- SPECIAL DESIGN, EASY TO CLEAN
- DATA TRANSFER
- REMOTE SUPPORT



APPLICATION:

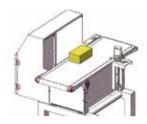
WIDELY USED TO INSPECT FLUID AND SEMI-FLUID PRODUCTS.

	Specification
Model	RXI-2410HDP
Pipe Diameter	50mm, 63mm, 80mm
Baat lana anti an Canaiti, itu	Sus Ball Φ0.3mm, Sus Wire Φ0.3*2mm
Best Inspection Sensitivity	Glass Ball Φ1.0mm, Ceramic Ballφ1.0mm
X-ray Tube	210W/80kV
Operation	Full-color TFT 17" Touch Screen
X-ray Leakage	<1 μSv/h (CE Standard)
X-ray Protection	Protective Tunnel
IP for Inspection Tunnel	IP67/IP69K
Product Management	Complete Product Log
Parameter Adjustment	Auto Learning/Manual Setting
Image Management	Auto Image Save/Print/Analyses
Equipment Management	MTBF, MTTR, Error Logs, Error Analysis
Product Storage	Max Storage of Product Parameter Can Reach 1000 Kinds
Body Material	SUS304
Surface Dealing	Sand Blasted
Purification	Easy to Wash
Cooling Method	Air Conditioned Cooling
	Environmental, electrical, operating specifications
Operating Temperature	0-40°C
Relative Humidity	30-85% (non-condensing)
Power Supply	220V, AC, 50/60Hz
O/S	Windows 7/Windows 10
Communication Method	LAN Port, USB Port

REJECTORS

AIR JET REJECTOR

Product weight under 300 grams. Conveyor speed 50-90 m/min, suitable for high speed inspection for sachets, pouches, boxes and cartons.

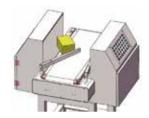


FLIPPER REJECTOR

boxes, etc.

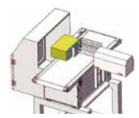
Product weight under 2.5 kg, thickness over 10 mm.

Conveyor speed 50-60 m/min, suitable for high speed inspection for pouches,



PUSHER REJECTOR

Product weight under 5 kg, thickness over 10 mm.
Conveyor speed 30-40 m/min, suitable for pouches, boxes, cartons, cans.



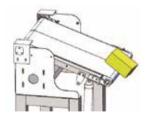
PNEUMATIC RETRACTING

Pneumatic retracting band type, double lane available, height less than 80mm, suitable for small packed and non-packed products. Often used for sticky products like fish or chicken fillet.



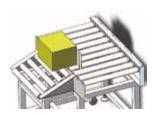
DROP OUT REJECTOR

Product weight under 3 kg. Conveyor speed 30-40 m/min, ideal for thin products and sachets. A back-up solution for products that are not suitable for flipper rejector or air jet rejector.



HEAVY PUSHER REJECTOR

Heavy pusher rejector, product weight under 35 kg. Usually used for big bags, buckets, and cartons.



SERVICE & SUPPORT

Equipment Maintenance:

Being familiar with the working principle of the equipment, understanding the way each part of the equipment works and proper maintenance can extend the life cycle of your equipment and reduce the failure rate.

The general common maintenance contents are the following:

- 1. Checking the appearance and operation of the functional components
- 2. Cleaning the complete system
- 3. Replacing of consumables / accessories
- 4. Validation of the expected detection results
- 5. Maintenance protocol according IFS and HACCP guidelines

PRODUCT TEST

RaymanTech is running technologically advanced testing centers with a construction area of several thousand square meters, in which RaymanTech's full range of inspection systems are placed.

In order to provide customers with suitable inspection systems and solutions, RaymanTech provides a series of testing and evaluation services, including:

Application test: You can provide your product example to Rayman-Tech for application test, and RaymanTech will provide you with test videos, pictures, and test reports to help you make a better decision when evaluating different inspection systems.

Online test: You can also watch the whole process of the application test in real time to learn more about the RaymanTech inspection systems in detail.

Technical consultation: If you have any questions, RaymanTech professionals will be happy to answer and support you.

Solution: RaymanTech will provide you with professional solutions according to your requirements.

To ensure that your equipment and systems are always in good working order, RaymanTech provides professional service and support, including: 24/7 online + call service.

Technical teams and specialists in your country offer technical service, spare part delivery and specific trainings on the machines. Please ask your personal RaymanTech specialist for further information.

DEMO TRAINING

SERVICE SUPPORT





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