PRODUCT CATALOGUE 2026

PRODUCT CATALOGUE

17 standard models · four product lines · built to your line

01 检针机 NEEDLE DETECTORS — 09 models

02 金属检测机 METAL DETECTORS — 03 models

03 重量检测机 CHECKWEIGHERS — 01 model

04 X 射线异物检测 X-RAY INSPECTION — 04 models

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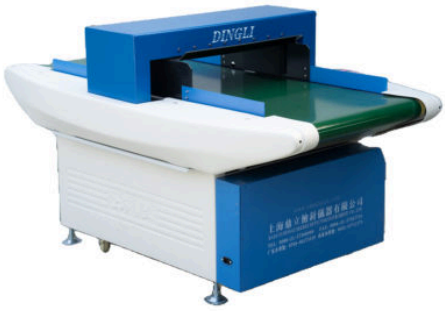
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COMPANY PROFILE

Founded in 1998, Shanghai Dingli designs and builds industrial inspection equipment and is one of the drafting units of China's light-industry standard for needle detectors. Four product lines have grown around metal and foreign-object detection: needle detectors, metal detectors, checkweighers and X-ray inspection.

Production runs from two plants in Fengjing and Xingta, Shanghai. The range is CE certified, with branch offices in Guangdong, Fujian and Shandong and offices in Hong Kong and Singapore.



Needle detector



Metal detector



X-ray inspection

The value of an inspection machine lies in long-term stability.

Every customisation starts from that sentence.

1998	CE	2	4	17
Founded	EU certified	Plants	Product lines	Standard models

APPLICATIONS

Models are selected from the product and the line, not the other way round.

Apparel & Textiles

服装 / 纺织

Needle detectors · Metal detectors

Home Textiles

家纺

Needle detectors · Flipping unit

Footwear

鞋帽

Shoe-line needle detector

Toys

玩具

Needle detectors · Metal detectors

Food

食品

Metal detectors · X-ray

Pharmaceutical

制药

Metal detectors · X-ray

Medical Devices

医疗器械

Metal detectors

Packaging

包装

Metal detectors · X-ray

Seafood & Produce

海产 / 生鲜

Chain-belt metal detector

Rubber & Plastics

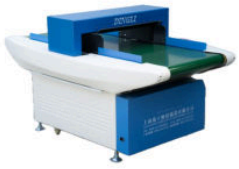
橡胶塑料

Metal detectors

All of these industries run our machines today. For a selection, send us the product, the pack size and the line speed.

PRODUCT OVERVIEW

17 standard models; the number is the page.



JZQ-630K
Automatic Conveyor Needle Detector
07



JZQ-600S(K)
Automatic Dual-Head Conveyor Needle
08



JZQ-710(K)
Shoe Factory Assembly Line Needle
09



JZQ-2000
Wide-Width Conveyor Needle Detector
10



DN-8500
Large-Aperture Custom Needle Detector
11



DN-8500-2
High-Uniformity Needle Detector
12



DN-8500-2C
Pillow & Cushion Compression Needle
13



JZQ-86-A/B
Desktop Needle Detector (Types A / B)
14



DFZ-10
Fully Automatic Flipping Device
15



MD-8500
Chain-Belt Metal Detector
17



MD-9500
Digital Metal Detector
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MD-7000-F
Drop-Type Metal Detection Separator
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SL-Series
High-Performance Online Checkweigher
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RJX5030
X-ray Foreign Object Detection System
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DL-C4015 / C6035
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DL-C6550（单机）
Standalone Intelligent X-ray System
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DL-C6550（整箱）
Full-Case Intelligent X-ray System
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01

Needle Detectors

检针机

Broken-needle and ferrous contamination detection for apparel, home textiles and footwear.

Conveyor, dual-head, wide-width, large-aperture and table-top models, with an optional flipping unit for two-sided inspection.

IN THIS SECTION

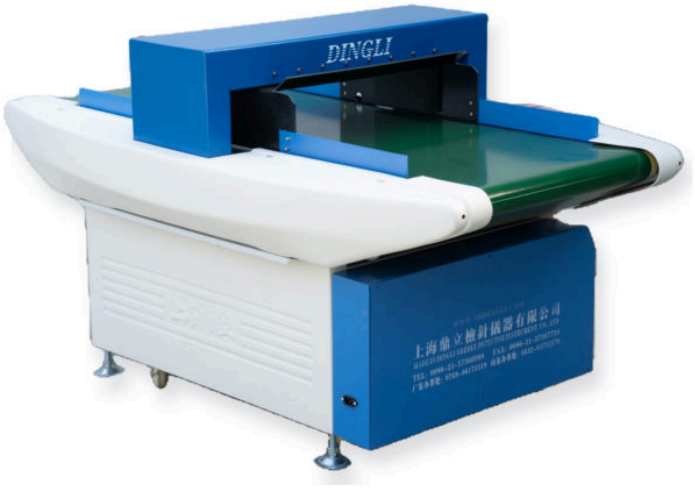
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DFZ-10	Fully Automatic Flipping Device	15

MODEL

JZQ-630(K)

Automatic Conveyor Needle Detector

FOR APPAREL, TEXTILES, TOYS AND NONWOVEN PRODUCTS



APPLICATIONS

Apparel · Babywear · Garment accessories · Handbags · Socks
Fabric · Nonwoven · Carpets · Gloves · Toys · Craftwork

SPECIFICATIONS

6010 / 6012 / 6015 / 6020 are specification codes for detection heights of 100 / 120 / 150 / 200 mm; parameters that span all four columns apply to every version.

Parameter	6010	6012	6015	6020
Product	Automatic conveyor needle detector			
Model	JZQ-630(K)			
Power supply	AC 220V, 50–60 Hz			
Motor power	60 W	60 W	90 W	90 W
Construction	Carbon steel · ABS			
Detection width	600 mm			
Detection height	100 mm	120 mm	150 mm	200 mm
Sensitivity Iron (Fe) · empty belt	≥ ϕ0.8 mm	≥ ϕ1.0 mm	≥ ϕ1.2 mm	≥ ϕ1.5 mm
Belt height above floor	680 mm			
Belt width	560 mm			
Max. load	10 kg	10 kg	15 kg	20 kg
Belt direction	Left to right			
Max. belt speed	Fixed at 26 m/min			
Belt material	Needle-detector-grade PVC			
Operation	Push-button control			
Alarm	Buzzer sounds and belt stops on detection			
Overall length	1650 mm			
Overall width	1050 mm			
Overall height	900 mm	920 mm	950 mm	1000 mm

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; verify by testing.
2. Custom specifications are available on request.
3. Production lead time: 5 working days.
4. Sensitivity depends on the product being inspected (moisture, salt content and temperature) and on-site conditions such as vibration and electromagnetic interference.

MODEL

JZQ-600S(K)

Automatic Dual-Head Conveyor Needle Detector

FOR APPAREL, TEXTILES, TOYS AND NONWOVEN PRODUCTS



APPLICATIONS

Apparel · Babywear · Garment accessories · Handbags · Socks
Fabric · Nonwoven · Carpets · Gloves · Toys · Craftwork

SPECIFICATIONS

Name	Automatic dual-head conveyor needle detector
Model	JZQ-600S(K)
Spec. code	6015
Aperture width	600 mm
Aperture height	150 mm
Sensitivity	Ferrous metal Fe ≥ ϕ0.8–2.5 mm (empty belt)
Effective aperture width	600 mm
Effective aperture height	150 mm
Belt height above floor	680 mm standard (adjustable by 50 mm)
Load capacity	25 kg per pass
Belt direction	Left to right
Max. belt speed	26 m/min
Belt material	Needle-detector-grade belt
Operation	Touchscreen control
Power supply	AC 220 V
Alarm	Buzzer alarm; belt stops or reverses when metal is detected
Dimensions	Approx. 2500 × 1030 × 950 mm
Net weight	Approx. 200 kg

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; verify by testing.
2. Custom specifications are available on request.
3. Production lead time: 5 working days.
4. Sensitivity depends on the product being inspected (moisture, salt content and temperature) and on-site conditions such as vibration and electromagnetic interference.

MODEL

JZQ-710(K)

Shoe Factory Assembly Line Needle Detector

FOR FOOTWEAR PRODUCTION LINES, UPPERS, SOLES AND INSOLES



APPLICATIONS

Assembly line · Shoe uppers · Soles · Shoe materials · Insoles

SPECIFICATIONS

Name	Shoe factory assembly line needle detector
Model	JZQ-710(K)
Spec. code	6015
Aperture width	600 mm
Aperture height	150 mm
Sensitivity	Ferrous metal Fe ≥ ϕ1.2 mm
Effective aperture width	600 mm
Effective aperture height	150 mm
Load capacity	15 kg per pass
Belt direction	Left to right
Max. belt speed	35 m/min
Belt material	Needle-detector-grade belt
Operation	Push-button control panel
Power supply	AC 220 V / 50 Hz
Power	100 W
Alarm	Buzzer alarm; belt stops when metal is detected
Dimensions	1600 × 1040 × 500 mm
Net weight	150 kg

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; verify by testing.
2. Custom specifications are available on request.
3. Production lead time: 5 working days.
4. Sensitivity depends on the product being inspected (moisture, salt content and temperature) and on-site conditions such as vibration and electromagnetic interference.

MODEL

JZQ-2000

Wide-Width Conveyor Needle Detector

FOR WIDE FABRIC, CLOTH ROLLS, MICROFIBRE AND HOME TEXTILES



APPLICATIONS

Wide fabric · Cloth rolls · Microfibre · Nonwoven
Home textiles · Industrial textiles

SPECIFICATIONS

Product	Wide-width conveyor needle detector
Model	JZQ-2000
Spec. code	1500 × 120 mm
Power supply	AC 220 V, 50–60 Hz
Motor power	180 W
Construction	High-strength carbon steel + ABS
Effective detection width	1500 mm
Effective detection height	120 mm
Detection sensitivity	Ferrous metal Fe ≥ ϕ1.2 mm
Belt height above floor	680 mm
Max. load	50 kg
Belt direction	Left to right
Max. belt speed	26 m/min
Belt material	Needle-detector-grade belt
Operation	Push-button control panel
Alarm	Buzzer alarm; belt stops or reverses when a broken needle or ferrous metal is detected

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; actual sensitivity must be verified by testing.
2. Custom specifications are available on request.
3. Production lead time: approx. 10–12 working days.

MODEL

DN-8500

Large-Aperture Custom Needle Detector

FOR FULL-CASE INSPECTION OF PACKED GOODS

APPLICATIONS

Full-case inspection · Large packages · Packed cartons



SPECIFICATIONS

Product	Large-aperture custom needle detector
Model	DN-8500
Aperture size	Custom, built to the product size
Detection target	Scissors, blades and other large ferrous objects
Application	Full-case inspection of packed goods
Products	Large packages and packed cartons
Customization	Aperture built to the customer's product
Capacity	Large dimensions and load capacity

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2. Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

MODEL

DN-8500-2

Automatic Conveyor Needle Detector

FOR APPAREL, TEXTILES, TOYS AND NONWOVEN PRODUCTS



APPLICATIONS

Apparel · Babywear · Garment accessories · Handbags · Socks
Fabric · Nonwoven · Carpets · Gloves · Toys · Craftwork

SPECIFICATIONS

5010 / 5015 / 5020: 500 mm width, heights 100 / 150 / 200 mm. 6010: 600 mm width, 100 mm height. Parameters spanning all four columns apply to all.

Parameter	5010	5015	5020	6010
Product	Automatic conveyor needle detector			
Model	DN-8500-2			
Power supply	AC 220V, 50–60 Hz			
Motor power	60 W	60 W	90 W	90 W
Construction	Carbon steel · ABS			
Detection width	500 mm	500 mm	500 mm	600 mm
Detection height	100 mm	150 mm	200 mm	100 mm
Sensitivity Iron (Fe) · empty belt	≥ ϕ0.8 mm	≥ ϕ1.0 mm	≥ ϕ1.2 mm	≥ ϕ0.8 mm
Belt height above floor	680 mm			
Belt width	460 mm	460 mm	460 mm	560 mm
Max. load	15 kg	15 kg	25 kg	30 kg
Belt direction	Left to right			
Max. belt speed	Fixed at 26 m/min			
Belt material	Needle-detector-grade PVC			
Operation	Push-button control			
Alarm	Buzzer sounds and belt stops on detection			
Ingress protection	IP54			
Overall length	1800 mm			
Overall width	950 mm	950 mm	950 mm	1050 mm
Overall height	900 mm	920 mm	950 mm	1000 mm

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; verify by testing.
2. Custom specifications are available on request.
3. Production lead time: 5 working days.
4. Sensitivity depends on the product being inspected (moisture, salt content and temperature) and on-site conditions such as vibration and electromagnetic interference.

MODEL

DN-8500-2C

Pillow & Cushion Compression Needle Detector

FOR PILLOWS, CUSHIONS, MATTRESSES AND FOAM PRODUCTS



APPLICATIONS

Pillows · Cushions · Mattresses · Elastic wadding
Foam · Home textiles · Bedding · Toys

SPECIFICATIONS

5010 / 5015 / 5020: 500 mm width, heights 100 / 150 / 200 mm. 6010: 600 mm width, 100 mm height. Parameters spanning all four columns apply to all.

Parameter	5010	5015	5020	6010
Product	Pillow & cushion compression needle detector			
Model	DN-8500-2C			
Power supply	AC 220V, 50–60 Hz			
Motor power	60 W	60 W	90 W	90 W
Construction	Carbon steel · ABS			
Detection width	500 mm	500 mm	500 mm	600 mm
Detection height	100 mm	150 mm	200 mm	100 mm
Sensitivity Iron (Fe) · empty belt	≥ ϕ0.8 mm	≥ ϕ1.0 mm	≥ ϕ1.2 mm	≥ ϕ0.8 mm
Belt height above floor	680 mm			
Belt width	460 mm	460 mm	460 mm	560 mm
Max. load	15 kg	15 kg	25 kg	30 kg
Belt direction	Left to right			
Max. belt speed	Fixed at 26 m/min			
Belt material	Needle-detector-grade PVC			
Operation	Push-button control			
Alarm	Buzzer sounds and belt stops on detection			
Ingress protection	IP54			
Overall length	1800 mm			
Overall width	950 mm	950 mm	950 mm	1050 mm
Overall height	900 mm	920 mm	950 mm	1000 mm

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; verify by testing.
2. Custom specifications are available on request.
3. Production lead time: 5 working days.
4. Sensitivity depends on the product being inspected (moisture, salt content and temperature) and on-site conditions such as vibration and electromagnetic interference.

MODEL

JZQ-86-A/B

Desktop Needle Detector

FOR KNITWEAR, GARMENTS, FOOTWEAR AND HOSIERY

APPLICATIONS

Knitwear · Garments · Footwear · Hosiery
Wearing apparel



JZQ-86-A



JZQ-86-B

SPECIFICATIONS

Product	Desktop needle detector
Model	JZQ-86-A / JZQ-86-B
Detection	Magnetic induction
Sensitivity	Ferrous metal Fe 0.1 mm
Platform size	500 × 200 mm
Dimensions	660 × 365 × 70 mm
Weight	20 kg
Body	Stainless steel
Operation	Table-top, compact and portable

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2. Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

MODEL

DFZ-10

Fully Automatic Flipping Device

FOR GARMENTS, KNITWEAR, UNDERWEAR, BLANKETS AND TOWELS

APPLICATIONS

Garments · Knitwear · Underwear
Blankets · Towels



SPECIFICATIONS

Product	Fully automatic flipping device
Model	DFZ-10
Belt speed	0 – 150 r/min
Operating voltage	220 V AC
Input supply	1P / 220 V
Output power	330 W
Dimensions	1960 × 1325 × 1270 mm
Function	Flips the product for a second-pass inspection

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1 Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2 Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

02

Metal Detectors

金属检测机

Inline metal detection and separation for food, pharmaceutical, household and packaging lines.

Chain-belt, digital and drop-type pipeline units, able to trigger alarms, line stops or rejectors.

IN THIS SECTION

MD-8500 Chain-Belt Metal Detector 17

MD-9500 Digital Metal Detector 18

MD-7000-F Drop-Type Metal Detection Separator 19

MODEL

MD-8500

Chain-Belt Metal Detector

FOR WET AND HIGH-MOISTURE PRODUCTS



APPLICATIONS

Seafood · Aquatic products
Fresh produce · High-moisture foods

SPECIFICATIONS

Product	Chain-belt metal detector
Model	MD-8500
Spec. code	6020
Aperture (W × H)	600 × 200 mm
Construction	All SUS304 stainless steel
Detection method	Dual balanced-coil induction
Sensitivity (empty belt)	Fe ≥ ϕ1.2 mm · SUS304 ≥ ϕ2.5 mm · Non-Fe ≥ ϕ2.0 mm
Belt height	700 mm default (50 mm upward adjustment, custom sizes available)
Max. load	20 kg per pass
Belt direction	Left to right
Max. belt speed	26 m/min
Belt material	Food-grade PP chain belt
Protection	IP65
Display & control	LED display, membrane keys
Power supply	AC 220 V, 50 Hz
Power	100 W
Alarm	Alarm and belt stop on metal detection
Weight	approx. 200 kg
Dimensions	approx. 1600 × 980 × 1000 mm

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Sensitivity figures are for reference only; actual sensitivity must be verified by testing.
2. Special specifications can be made to order.
3. The machine is built from SUS304 stainless steel and is dust- and water-proof.
4. Sensitivity depends on the product (moisture, temperature, salt and mineral content) and on site conditions such as vibration and electromagnetic interference.

MODEL

MD-9500

Digital Metal Detector

FOR FOOD, PHARMACEUTICAL AND PACKAGING LINES



APPLICATIONS

Food · Pharmaceutical · Medical · Cosmetic
Toys · Textile · Rubber & plastics · Packaging

SPECIFICATIONS

5020 / 5025 / 5030 are specification codes for detection heights of 200 / 250 / 300 mm; sensitivity values are the theoretical maximum for an empty belt.

Parameter	5020	5025	5030
Detection width	500 mm		
Detection height	200 mm	250 mm	300 mm
Max. sensitivity (Fe)	ϕ1.5 mm	ϕ2.0 mm	ϕ2.5 mm
Max. sensitivity (SUS304)	ϕ3.0 mm	ϕ3.5 mm	ϕ4.0 mm
Belt width	470 mm		
Belt height	680 mm default (50 mm adjustment, customizable)		
Max. load	10 kg	10 kg	20 kg
Belt speed	26 m/min default (customizable)		
Belt material	Food-grade PU / PVC belt		
Display & control	7-inch colour touch screen (optional)		
Power supply	AC 220 V, 50–60 Hz (customizable)		
Alarm	Alarm and belt stop on detection (beacon and rejector optional)		
Body	SUS304 stainless steel		

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Values are the theoretical maximum for an empty belt; actual sensitivity is slightly lower depending on the product and environment.
2. Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
3. Reinforced SUS304 frame, built to GMP and HACCP requirements.

MODEL

MD-7000-F

Drop-Type Metal Detection Separator

FOR POWDER, GRANULE, FLAKE AND LUMP MATERIALS



APPLICATIONS

Powder · Granules
Flakes · Lump materials

SPECIFICATIONS

Columns are pipe bore diameters; sensitivity values are for an empty pipe.

Parameter	Φ50	Φ80	Φ100	Φ120	Φ150	Φ200
Sensitivity (Fe)	ϕ0.6 mm	ϕ0.7 mm	ϕ0.8 mm	ϕ1.0 mm	ϕ1.2 mm	ϕ1.5 mm
Sensitivity (Non-Fe)	ϕ0.8 mm	ϕ1.2 mm	ϕ1.5 mm	ϕ1.8 mm	ϕ2.0 mm	ϕ2.5 mm
Min. installed length	850 mm	920 mm	920 mm	1100 mm	1100 mm	1200 mm
Materials	Powder, granules, flakes and lumps					
Contact parts	PP and PTFE					
Alarm	Audible and visual alarm, automatic reject					
Power supply	220 V, 50–60 Hz, 1-phase (customizable)					

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1 Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2 Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

03

Checkweighers

重量检测机

Dynamic weighing of individual packs, catching overweight, underweight and missing-item products.

Push-rod, air-blast or lever rejection depending on the model, with line-control integration.

IN THIS SECTION

SL-Series High-Performance Online Checkweigher 21

MODEL

SL Series

High-Performance Online Checkweigher

FOR FOOD, BEVERAGE, PHARMACEUTICAL, SEAFOOD, PRODUCE, HOUSEHOLD AND HARDWARE LINES



APPLICATIONS

Food · Beverage · Pharmaceutical · Seafood
Produce · Household · Hardware & electronics

SPECIFICATIONS

Dynamic weighing of individual packs; rejects overweight, underweight and missing-item packs.

Parameter	SL-120	SL-210	SL-300	SL-500	SL-800
Weighing range	5–200 g	5–1000 g	5–3000 g	On request	500 g–50 kg
Accuracy	±0.05–0.1 g	±0.3–1 g	±0.5–2 g	±10 g	±10 g
Throughput	180 packs/min	120 packs/min	80 packs/min	40 packs/min	27 packs/min
Weigh platform	250 mm	400 mm	450 mm	800 mm	1200 mm
Rejector	Push rod, air blast or lever reject, model-dependent				
Belt height	750 ± 50 mm (customizable)				
Interface	7-inch colour LCD touch screen				
Power supply	220 V, 50–60 Hz, 1-phase (customizable)				

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2. Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

04

X-Ray Inspection

X 射线异物检测

Detection of metal, glass, ceramic and stone contaminants that metal detectors cannot resolve.

Standalone, full-case and AI-vision series for food, pharmaceutical and packaging lines.

IN THIS SECTION

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MODEL

RJX5030A / C

X-ray Foreign Object Detection System

FOR FOOD, PHARMACEUTICAL AND PACKAGING INSPECTION



APPLICATIONS

Food · Pharmaceutical
Packaging · Foreign object detection

SPECIFICATIONS

Types A and C differ in penetration and X-ray source; all other parameters are common.

Parameter	RJX5030A	RJX5030C
Tunnel size	500 × 300 mm (W × H)	
Penetration	12 mm steel plate	40 mm steel plate
X-ray source	80–100 kV, 0.5 mA	140–160 kV, 0.5–1.25 mA
Resolution	1.0 mm horizontal, 1.0 mm vertical	
Leakage	< 0.5 μSv/h at 50 mm from the surface	
Belt height	660 mm above floor	
Belt speed	25 m/min	
Display	21.5-inch colour display (1920 × 1080)	
Power consumption	500 W	
Power supply	AC 220 V, 50 Hz	
Weight	220 kg	

COMPANY PROFILE

DINGLI was founded in 1998 and is one of the drafters of China's light-industry standard for needle detectors. We build needle detectors, metal detectors and weight-grading machines for the food, pharmaceutical, medical device, chemical, apparel and toy industries.

NOTES

1. Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2. Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

MODEL

DL-C4015 / DL-C6035

X-ray Foreign Object Detector

FOR FOOD AND PACKAGING INSPECTION



APPLICATIONS

Food · Packaging
Foreign object detection

SPECIFICATIONS

Items marked “On request” are confirmed at the time of order.

Parameter	DL-C4015	DL-C6035
Tunnel size	400 × 150 mm	600 × 350 mm
Detection width	400 mm	600 mm
Conveyor speed	10–60 m/min	10–50 m/min
Conveyor load	≤10 kg	≤20 kg
X-ray power	150 W	350 W
Accuracy (metal sphere)	ϕ0.3 mm	On request
Accuracy (stainless wire)	ϕ0.2 mm	On request
Accuracy (glass)	ϕ0.1 mm	On request
Accuracy (ceramic)	ϕ0.6 mm	On request
Display	21.5-inch TFT touch screen	
Power supply	220 V, 50–60 Hz, 1-phase (customizable)	

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MODEL

DL-C6550

Standalone Intelligent X-ray Contaminant Detection System

FOR FOOD, PHARMACEUTICAL AND HIGH-ACCURACY INSPECTION



APPLICATIONS

Food · Pharmaceutical
High-accuracy inspection

SPECIFICATIONS

Product	Standalone intelligent X-ray system
Model	DL-C6550
Accuracy (metal ball)	≥ ϕ0.6 mm
Accuracy (stainless wire)	≥ ϕ0.4 × 2 mm
Accuracy (glass)	≥ ϕ1.5 mm
Accuracy (ceramic/stone)	≥ ϕ1.0 mm
Recognition	AI visual recognition
Rejection	AI detect □ alarm □ inline reject

COMPANY PROFILE

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NOTES

1. Specifications shown are for the standard machine; other sizes and special requirements can be made to order.
2. Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

MODEL

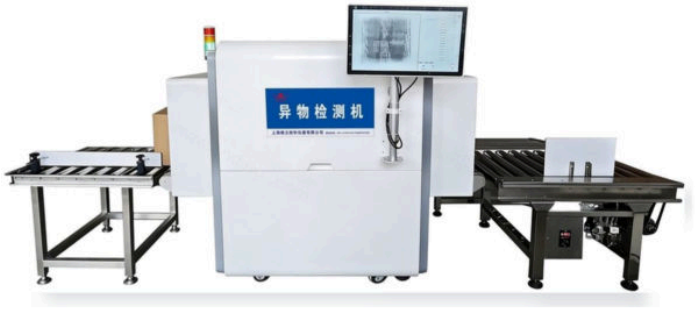
DL-C6550

Full-Case Intelligent X-ray Inspection System

FOR FULL-CASE INSPECTION OF PACKED GOODS

APPLICATIONS

Full-case inspection · Food · Pharmaceutical



SPECIFICATIONS

Product	Full-case intelligent X-ray system
Model	DL-C6550
Inspection mode	Full-case pass-through
Accuracy (metal ball)	≥ ϕ0.6 mm
Accuracy (stainless wire)	≥ ϕ0.4 × 2 mm
Accuracy (glass)	≥ ϕ1.5 mm
Accuracy (ceramic/stone)	≥ ϕ1.0 mm
Recognition	AI visual recognition
Rejection	AI detect □ alarm □ inline reject

COMPANY PROFILE

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NOTES

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2 Sensitivity is measured without product effect or environmental interference; actual sensitivity depends on the product and the working environment.

CUSTOMISATION & SERVICE

Standard models cover most lines. Where product size, moisture, packaging or line speed fall outside the standard range, the machine is adapted to the customer's conditions.

01

Selection

The model is recommended from product characteristics and line conditions, with capacity matching.

02

Customisation

Aperture size, conveying method, rejection mechanism, interface and language can all be adapted.

03

Delivery

Factory testing, on-site commissioning and training for operators and maintenance staff.

04

Support

Spare parts, remote diagnostics and after-sales response across the machine's service life.

For a custom proposal, send a product sample or photo, the pack dimensions and the line speed — we will come back with a solution and a quotation.

SHANGHAI DINGLI NEEDLE DETECTOR INSTRUMENT CO., LTD.

上海鼎立检针仪器有限公司

PLANTS

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No. 123 Caoli Road, Xingta Industrial Zone, Fengjing Town, Shanghai, China

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OFFICES

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EU CE certified · Drafting unit of China's needle-detector standard

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