

DIRECTORY

Portable X-ray Flaw Detector

X-ray Flaw Detector	01
X-ray Pipeline Crawler	04
Portable Digital Radiography System	06
High Frequency Portable X-ray Unit	07
Conversion Frequency Portable X-ray unit (CR)	08

X-ray Fluorescence Spectrometer (XRF)

Energy Dispersion X-ray Fluorescence Spectrometer	11
Wavelength Dispersion X-ray Fluorescence Spectrometer	16

X-ray Diffractometer (XRD)

XRD AL-3500	18
XRD AL-2700	20
XRD AL-2700mini Desktop	22
XRD AL-3000	23
High Power Industrial CT	24
Digital X-Ray System for Castings Inspection	26
Digital X-Ray System for Cylinder (LNG) Inspection	28
Main Customers	30



X-ray Flaw Detector

Directional

Panoramic



XXG series



XXQ series



XXH series



XXGH series

APPLICATION FIELDS

Spaceflight industry, Shipbuilding industry, Metallurgy industry, Chemical industry, Power supply, Automobiles, Pressure container, Heavy machine manufacture industry, Bridge industry and others.

OPTIONS

The right set of accessories is important to make your workflow even smarter. Tube brackets and accessories are available, making the X-ray systems versatile, flexible and suited for most applications.

MAIN CONFIGURATION

No.	Item	Specification	Qty
1	X-ray generator		1
2	Controller	T4777	1
3	Connection cables with two plugs	25m	1
4	Power supply cable with one plug	10m	1
5	Grounding cable	5m	1
6	Accessories bag		1

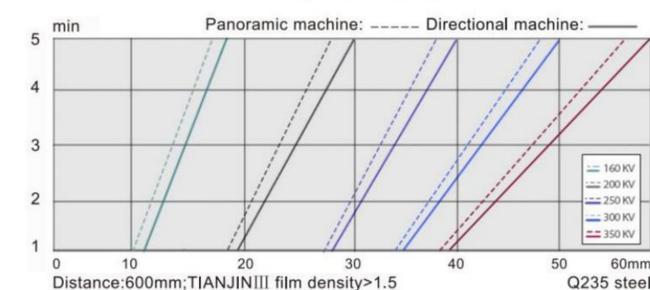
SOLID AND DURABLE STRUCTURAL DESIGN

The generator of portable flaw detector is protected by end ring, which is made of nearly 30mm solid steel and wrapped with rubber to prevent vibration and slipping. The end ring prevents damage to the core components in the event of a collision.

POWER SUPPLY CONDITIONS

The AC-mains voltage range spans from 220 to 240 VAC and the frequency is 50Hz. The improved power factor correction module ensures stable operation, where AC-mains are unstable.

Exposure chart





Believe in the power X-ray Flaw Detector of the brand

T4777 CONTROL PANEL

The control panel is suitable for all series of portable X-ray flaw detector.

Directional Portable X-ray Flaw Detector (with Ceramic X-ray Tube)

Model	Output Voltage (kV)	Input (kW)	Focus Size (mm)	Beam Angle	A ₃ Steel Max. Penetration (mm)	Weight of Generator (kg)	Dimension of Generator (mm)
XXG-2005	100-200	2.0	2.0×2.0	40+5°	30	18	285×285×615
XXG-2505	150-250	2.5	2.0×2.0	40+5°	40	30.5	320×320×640
XXG-3005	170-300	3.0	2.5×2.5	40+5°	50	36.5	345×345×670
XXG-3505	180-350	3.5	2.5×2.5	40+5°	60	38	345×345×670

Directional Portable X-ray Flaw Detector (with Glass X-ray Tube)

Model	Output Voltage (kV)	Input (kW)	Focus Size (mm)	Beam Angle	A ₃ Steel Max. Penetration (mm)	Weight of Generator (kg)	Dimension of Generator (mm)
XXQ-1605	80-160	1.5	0.8×0.8	40°	19	15.2	225×225×585
XXQ-2005	100-200	2.0	1.5×1.5	40+5°	30	23	285×285×665
XXQ-2505	150-250	2.5	2.0×2.0	40+5°	40	35	320×320×730
XXQ-3005	170-300	3.0	2.3×2.3	40+5°	50	45.5	345×345×830
XXQ-3205	180-320	3.2	2.5×2.3	40+5°	55	45.5	345×345×830
XXQ-3505	180-350	3.4	2.8×3.0	40+5°	60	47	345×345×800

Panoramic Portable X-ray Flaw Detector (with Ceramic X-ray Tube)

Model	Output Voltage (kV)	Input (kW)	Focus Size (mm)	Beam Angle		A ₃ Steel Max. Penetration (mm)		Weight of Generator (kg)	Dimension of Generator (mm)
				Cone Target	Flat Target	Cone Target	Flat Target		
XXGH-2005	100-200	2.0	1.0×5.0	30×360°	25×360°	24	27	31	290×290×615
XXGH-2505	150-250	2.5	1.0×5.0	30×360°	25×360°	34	37	35	325×325×705
XXGH-3005	170-300	3.0	1.0×5.5	30×360°	25×360°	44	47	43	345×345×715

Panoramic Portable X-ray Flaw Detector (with Glass X-ray Tube)

Model	Output Voltage (kV)	Input (kW)	Focus Size (mm)	Beam Angle		A ₃ Steel Max. Penetration (mm)		Weight of Generator (kg)	Dimension of Generator (mm)
				Cone Target	Flat Target	Cone Target	Flat Target		
XXH-1005	60-100	1.2	1.0×3.5	30×360°	25×360°	4	6	11.1	190×190×530
XXH-1605	80-160	1.5	1.0×3.5	30×360°	25×360°	12	15	15	225×225×585
XXH-2005	100-200	2.0	1.0×3.5	30×360°	25×360°	24	27	21.5	285×285×665
XXH-2505	150-250	2.5	1.0×2.4	30×360°	25×360°	34	37	33.5	320×320×730
XXH-3005	170-300	3.0	1.0×2.3	30×360°	25×360°	44	47	40	345×345×830
XXH-3205	180-320	3.2	1.0×5.0	30×360°	25×360°	45	50	40	345×345×830
XXH-3505	180-350	3.4	1.0×5.0	30×360°	25×360°	52	55	42.6	345×345×830