

China · X-ray

便携式X射线探伤机

Portable X-ray Unit



巨星牌XX-系列便携式X射线探伤机基于低成本、高可靠性原则设计，具有体积小、重量轻、便于携带与操作、自动化程度高等特点。设备采用完全由我公司设计、制造的G系列玻璃射线管、T系列陶瓷射线管、高压器件以及K系列控制单元，各器件兼容性能良好。我公司对于出厂设备均进行72小时严格测试，保证恶劣条件下的正常使用。

采用六氟化硫气体绝缘和大功率强制风冷技术，重量得到进一步减轻，并延长了X射线管的使用寿命，使之更适于野外、高空作业以及在施工现场使用。

巨星牌K03/K05控制器采用微处理器控制，变频技术，并具有全自动训机、故障显示、过压保护及防误开功能并可加装遥控功能，通过严格选用工业级电子元件以及科学的防震处理，保证了设备运行的稳定性。

XX- line of portable X-ray unit is designed to the principle of low cost and high reliability, which is characteristic in convenient to carry, easy to operate, and highly automated. X-ray tube and HT coil are all produced by DANDONG NDT which guarantees system consistency.

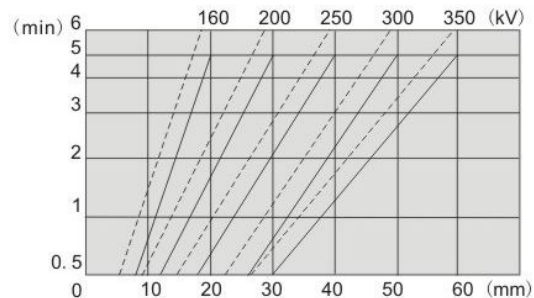
Weight is further reduced with the use of SF₆ insulation. Forced cooling fan guarantees the longevity of X-ray tube, which makes the product suitable for field and highly above work.

K03/K05 control unit is microprocessor controlled with module of controlled silicon voltage adjustment and frequency conversion technique. The functions of fully automatic warm-up program, failure display, over voltage and mis-start protection, the stability and service life are much improved.

供货范围 Delivery scope

1.X射线发生器 X-ray generator	1个
2.控制器 Control unit	1台
3.低压电缆 Low voltage cable 9-cores	25m
4.电源电缆 Power supply cable 3-cores	10m
5.警示灯及电缆 Warning lamp and cable 2-cores	5m
6.接地线 Ground wire	5m
7.保险丝 Fuse tube 20A × 5pcs. 2A × 5pcs.	1套
8.暗袋 (内有0.02-0.04mm铅箔增感屏)	5付
Darkroom bag(0.02-0.04mm lead screen inside)	
9.铅字 Lead character	1袋
10.线型像质计 IQI	2套
11.附件包 Accessory bag	1个
12.中心定位装置 Center indicator	1个

曝光曲线 Exposure curve



胶片 Film: Tianjin III

铅箔增感屏 Intensifying lead screen: 0.03mm

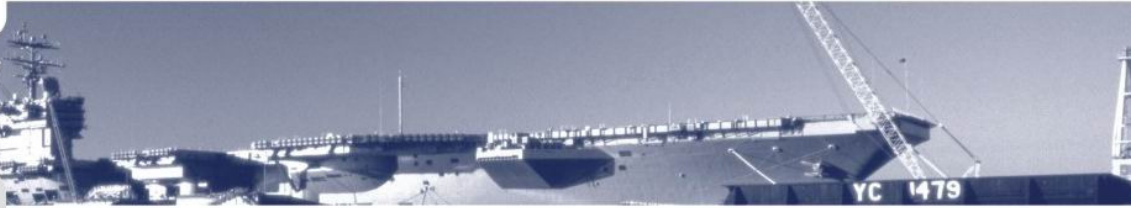
焦距 Film to focus distance: -600 mm--700mm

材料 Material: Fe

显影 Development: 20°C 5min

黑度 Density: — ≥1.5 --- ≥2.0

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玻璃管定向便携式X射线探伤机

Glass tube directional portable X-ray generator



型号 Model	输出电压 Output voltage (kV)	输入 Input (kW)	焦点尺寸 Focus size (mm)	辐射角度 Beam angle	最大穿透A3钢 Max. Penetration (mm)	发生器重量 Weight of generator (kg)	发生器尺寸 Dimension of generator (mm)
XXQ-1005	50 ~ 100	1.2	0.8×0.8	40°	8	11.1	190×190×530
XXQ-1605	60 ~ 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



玻璃管周向便携式X射线探伤机

Glass tube panoramic portable X-ray generator



型号 Model	输出 电压(kV) Output voltage	输入(kW) Input	焦点 尺寸(mm) Focus size	辐射角度 Beam angle		最大穿透A3钢(mm) Max. Penetration		发生器 重量(kg) Weight of generator	发生器 尺寸(mm) Dimension of generator
				锥靶 Cone target	平靶 Level target	锥靶 Cone target	平靶 Level target		
XXH(A)-1005	50 ~ 100	1.2	1.0×3.5	30+5°	25+5°	4	6	11.1	190×190×530
XXH(A)-1605	60 ~ 160	1.5	1.0×3.5	30+5°	25+5°	12	15	15	225×225×585
XXH(A)-2005	100 ~ 200	2.0	1.0×3.5	30+5°	25+5°	24	27	21.5	285×285×665
XXH(A)-2505	150 ~ 250	2.5	1.0×2.4	30+5°	25+5°	34	37	33.5	320×320×730
XXH(A)-3005	170 ~ 300	3.0	1.0×2.3	30+5°	25+5°	44	47	40	345×345×830
XXH(A)-3205	180 ~ 320	3.2	1.0×5.0	30+5°	25+5°	45	50	40	345×345×830
XXH(A)-3505	180 ~ 350	3.4	1.0×5.0	30+5°	25+5°	52	55	42.6	345×345×800

陶瓷管定向便携式X射线探伤机 Ceramic tube directional portable X-ray generator



型号 Model	输出电压 Output voltage (kV)	输入 Input (kW)	焦点尺寸 Focus size (mm)	辐射角度 Beam angle	最大穿透A3钢 Max. Penetration (mm)	发生器重量 Weight of generator (kg)	发生器尺寸 Dimension of generator (mm)
XXG-1605	60 ~ 160	1.5	0.8×0.8	40+5°	19	14.5	225×225×550
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



陶瓷管周向平靶/锥靶便携式X射线探伤机 Flat/Cone target ceramic tube panoramic portable X-ray generator

型号 Type	指标 Target	额定管电压 Tube voltage	额定管电流 Tube current	焦点尺寸 Focal size	射线辐射角 Beam angle	尺寸 (mm) Size	靶质 Target	重量 (kg) Weight
XXGH/XXGHA2005		200KV	5mA	1.0×2.0	25°/30°×360°	655×280	钨 (W)	20
XXGH/XXGHA2505		250KV	5mA	1.0×2.0	25°/30°×360°	720×320	钨 (W)	33
XXGH/XXGHA3005		300KV	5mA	1.0×2.5	25°/30°×360°	820×340	钨 (W)	41