

# Industrial X-Ray Flaw Detectors

**1.Name:** Frequency conversion gas insulated Portable x-ray Flaw Detectors

**2.Model:** XXG-3005 (With directional ceramic x-ray tube)

**3. Manufacturer:** Dandong Aolong Radiative Instrument Co., Ltd.

**4. Equipment picture:**



## 5.Main character:

- Compact x-ray generator, anode grounded, forced air cooling
- Light weight, portable, easy to use
- The ratio of the exposure fine to the stop time is 1:1
- High voltage ,time delay function protects the operator from radiation
- Strictly controlled the production techniques, nice sculpt, reasonable design.

## 6.Main configuration:

I .Directional ceramic X-ray tube	1Pcs	300KV, 5mA	Aolong
II .Generator (included above tube)	1nos		Aolong
III.Interconnection cable with two plugs	1Pcs	25 Meters	Aolong
IV . Controller	1nos		Aolong
V .Power supply cable with one plug	1Pcs	10 Meters	Aolong
VI.Grounding cable	1Pcs	5 Meters	Aolong
VII.Accessories bag	1Pcs		Aolong

(Including: alarm lamp, 1 Pcs; lead letter, 1 box; dark bag, 5 Pcs; intensifying screen,5 Pcs; Image quality indicator,1 set; fuse,1 set; Center indicator:1 Pcs)

## 7.Main technical parameter:

- I .Output voltage range:100~300KV, Continuously adjustable
- II .Power supply:220±10% VAC, 50Hz
- III.Tube current: 5mA
- IV.Focus spot size:2.5×2.5mm
- V . Beam angle: 40+5°
- VI.Photography condition:  
Focus 600mm; exposal time 5 minters; double-face lead intensifying.
- VII.Transmission sensitivity: < 1.5%
- VIII.Film density: >1.5
- IX. Max penetration thickness(A3 steel): 50mm

**DANDONG AOLONG RADIATIVE INSTRUMENT CO.,LTD.**



# Certificate

Certificate No.: 11409Q10416R2M

This is to certify that the Quality Management System of  
**DANDONG AOLONG RADIATIVE INSTRUMENT CO., LTD.**

No.46 Fumin Street, Lingang Industry Zone, Dandong City  
P.C.: 118009

Has been audited to conform to the following Quality Management System standard:

**GB/T 19001-2008 idt ISO 9001:2008**

This Quality Management System is valid for the

Design and production of movable X-ray NDT equipment and  
accessories, portable industrial X-ray NDT equipment and accessories

Date of issue: Aug. 15, 2009

Valid period: Aug. 14, 2012

Issued by:

*Xu Tianping*



BEIJING EAST ALLREACH CERTIFICATION CENTER



MANAGEMENT SYSTEM  
CNAS C114-Q

This certificate will not remain valid only if the certified organization accepts at least one surveillance audit annually within the validity period of the certificate in which the surveillance audit conforming mark is in the designated position on the certificate. Please login into [www.eacc.com.cn](http://www.eacc.com.cn) for this certificate's validity status.  
EACC address: Room 2117 International Building 3, East Section, No. 1 Ciyunsi, Chaoyang District, Beijing P.R. China 100025

The 1<sup>st</sup>  
Surveillance  
Conforming  
Mark

The 2<sup>nd</sup>  
Surveillance  
Conforming  
Mark

The 3<sup>rd</sup>  
Surveillance  
Conforming  
Mark



VOP-026 Šternberk, s.p.

locality Vyškov

V. Nejedlého 691, 682 03 Vyškov, Czech Republic

# CERTIFICATE

## N° VTÚPV - 092 / 2011 / ZAHR

**Applicant:** Dandong Aolong Radiative Instrument Co., Ltd.  
No.46 Fumin Street, Lingang Industrial Zone, Dandong City, China

**Product:** X-ray Flaw Detector

**Model:** XXQ-1005, XXQ-1605, XXQ-2005, XXQ-2505, XXQ-3005, XXQ-3205, XXQ-3505,  
XXG-1605, XXG-2005, XXG-2505, XXG-3005, XXG-3505, XXH-1005, XXH-1605,  
XXH-2005, XXH-2505, XXH-3005, XXH-3205, XXH-3505

**Manufacturer:** Dandong Aolong Radiative Instrument Co., Ltd.  
No.46 Fumin Street, Lingang Industrial Zone, Dandong City, China

**Rating and principal characteristics:** Voltage: 220 V $\pm$ 10%; Frequency: 50 Hz; Output: 5 mA.

Test results are described in the Test Reports No.:

MTS/ICL/E11040301 (tests made by Most Technology Service Co., Limited)

MTE/DAL/E11040265 (tests made by Most Technology Service Co., Limited)

The sample of tested product conforms with the requirements of the following standards harmonized with the EMC Directive No. 2004/108/EC and LVD Directive No. 2006/95/EC

- EN 61000-6-2: 2005
- EN 61000-6-4: 2007+A1: 2011
- EN 61010-1: 2001

This certificate is valid until: 13. 05. 2014

After preparation of the necessary technical documentation as well as the conformity declaration, the required CE marking can be affixed on the product. Other relevant directives have to be observed. The CE mark shall appear according to this sample:




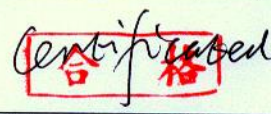
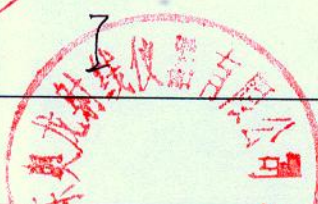
Vyškov 13. 05. 2011

Tel./Fax: +420 517 303 603  
e-mail: bezdek.m@vop.cz  
<http://www.vop.cz>

Milan Bezdek  
Certification Head



## Testing Note and quality certification

Instrument serial No.		20258		Testing date	Sep 3, 2012
Producing area		China			
Aging process	Time	KV(P)	mA	Testing information	
	2	170	4.6		
	2	190	4.7		
	2	210	4.7		
	3	230	4.9		
	3	250	4.9		
	3	260	5		
	3	270	5		
	5	280	5		
	5	290	5		
	5	300	5	begin to aging	
	Leak radiation dose (1m distance)	340 mR/h < 500mR/h (Standard)			
Focus spot test value	2.48mm x 2.5mm				
Dependability with Working 4 hours continuously	aging 8 hours, good				
Training person			Conclusion		
Quality grade					
Remark					



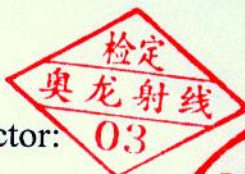
# Production Testing Certification

Equipment Name: **携带式工业X射线探伤机**

Equipment model: ~~XXG-3005~~ **05型**

Equipment serial number: 20259

Inspector: 03



Confirmation:



Inspect date:

Sep 3, 2012

Inspect result:


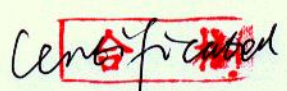
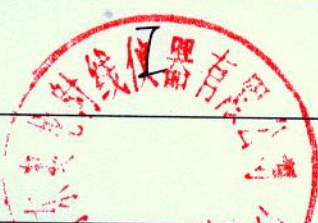
Certified **合格**



丹东奥龙射线仪器有限公司  
Dandong Aolong Radiative Instrument Co., Ltd.



## Testing Note and quality certification

Instrument serial No.		20259		Testing date	sep 3. 2012
Producing area		China			
Aging process	Time	KV(P)	mA	Testing information	
	2	170	4.6		
	2	190	4.7		
	2	210	4.8		
	3	230	4.9		
	3	250	4.9		
	3	270	5		
	5	280	5		
	5	290	5		
	5	300	5	begin to aging	
	Leak radiation dose (1m distance)	350 mR/h < 500mR/h (Standard)			
Focus spot test value	2.5mm x 2.5mm				
Dependability with Working 4 hours continuously	aging 8 hours, good				
Training person			Conclusion		
Quality grade					
Remark					



# Production Testing Certification

Equipment Name: 便携式工业X射线探伤机

Equipment model: XEG-3005

Equipment serial number: 20258

Inspector:



Confirmation:



Inspect date:

Sep 5, 2012

Inspect result:

Certificated



丹东奥龙射线仪器有限公司  
Dandong Aolong Radiative Instrument Co., Ltd.