

*Newheek*

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**Shandong Newheek Image Equipment Co.,Ltd.  
Weifang Newheek Electronic Technology Co.,Ltd.**

X-ray equipment supporter  
Image intensifier TV system manufacturer  
X-ray parts&accessories supplier



# Newheek

## Company profile

**Shandong Newheek Image Equipment Co.,Ltd.** was established in 1999, the first and only manufacturer of **image intensifier TV system** with independent R&D team and production line in China. The factory is **ISO9001&ISO13485 certified** .



At present, the updated fourth generation of **image intensifier** are warmly welcomed by more than 50 x-ray machine manufacturers over the world. In addition, Newheek also produces different kinds of **x-ray parts and accessories** to provide great support for x-ray machine manufacturers, hospitals and maintenance companies.

In order to enlarge the development scale, **Weifang Newheek Electronic Technology Co.,Ltd.** was registered in 2012, covering an area of **2000 square meters**, go ahead producing I.I TV system and other x-ray parts. While Weifang Newheek Medical image equipment Co.,Ltd started production of medical x-ray diagnostic equipment, animal x-ray machine and industrial x-ray devices.

Newheek **president and CEO Mr. David Yuan** is the initiator of both companies. And he is also a most experienced engineer in x-ray fields. Before year1999, he owns **the Specialty Service Station** for Beijing Beilin Electron, Beijing Wandong Medical Equipment, Shanghai Medical Equipment, Shenzheng Mindray Bio Med.

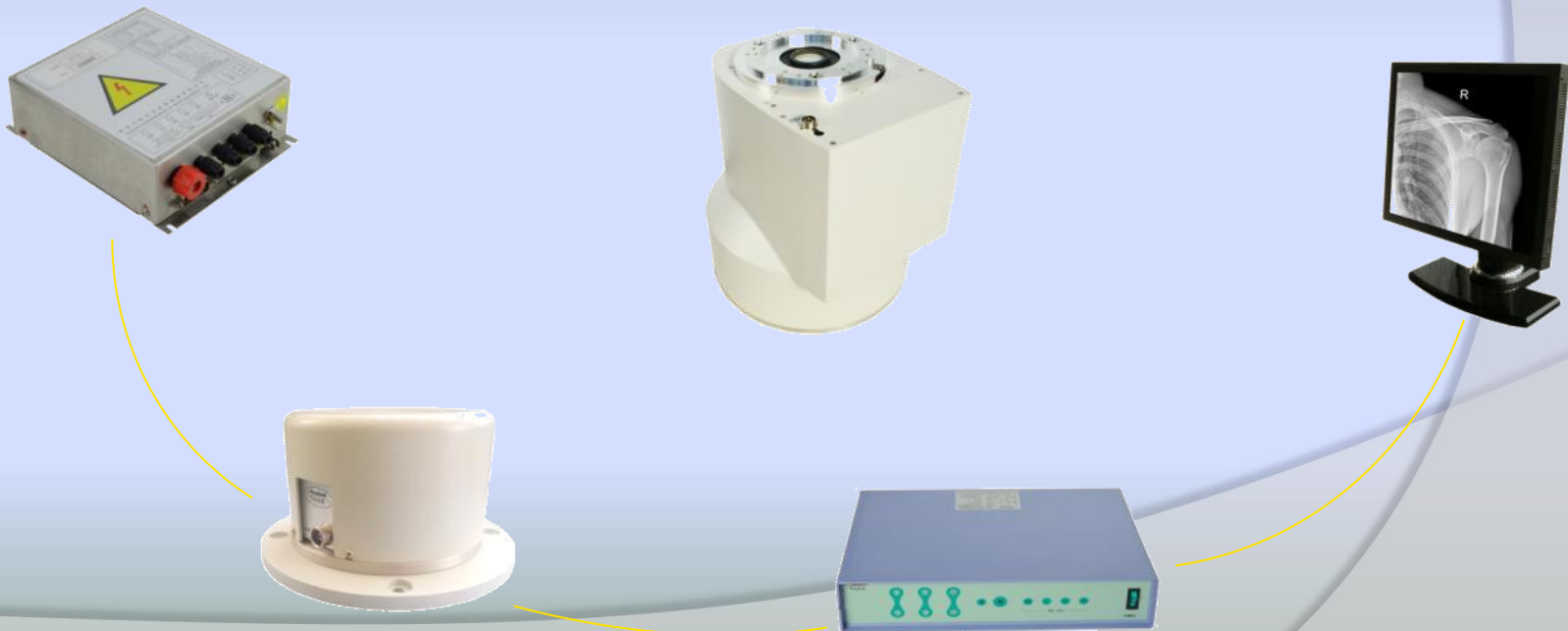
Newheek Key Values: Do everyone's best, teamwork, make customer successful and achieve self!



# *Newheek* Image Intensifier TV System

Newheek II TV system is widely used on x ray diagnostic equipment, such as C-arm, stand fluoroscopy, digital stomache and intestine, lithotritry, remote x ray update, industrial NDT etc.

Twenty years' experience in image intensifier field, Newheek presents the II TV system with steady high quality, high resolution, lower distortion output.



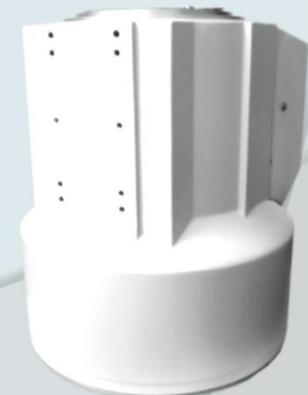
# Image Intensifier TV System

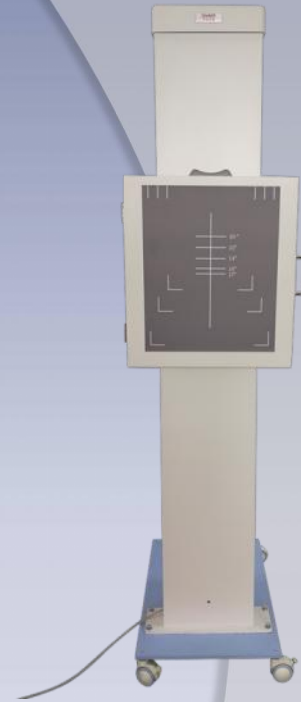
## X Ray Image Intensifier NK-23XZ/P3H

- √ Compatible to various x-ray equipment, could be perfect replacement of Toshiba or Thales products.
- √ CE&Rhos compliant
- √ OEM housing, mounting and painting acceptable



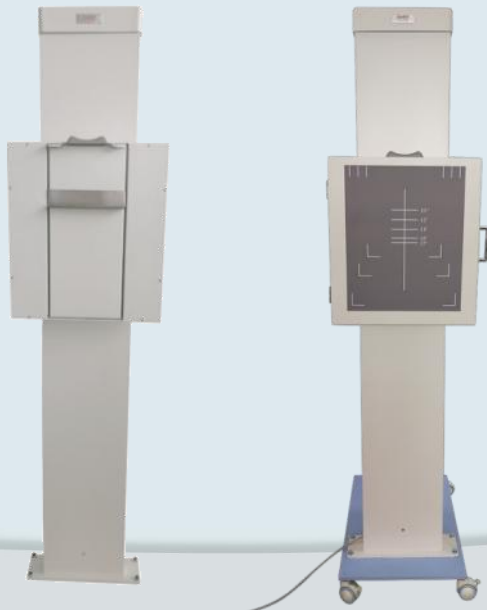
Product Specification		
Useful entrance field size	23cm	216 ± 2mm
	16cm	161 ± 2mm
	12cm	122 ± 2mm
Output image size		25 ± 0.5mm
Central resolution	23cm	46Lp/cm
	16cm	52Lp/cm
	12cm	62Lp/cm
Conversion factor	23cm	200 (cd /m <sup>2</sup> ) / (mR/s)
	23cm	23 (cd /m <sup>2</sup> ) / (μGy/s)
DQE Standard	23cm	65%
Contrast (10%)	23cm	24:1
Contrast (10mm)	23cm	16:1
Input voltage		24VDC (± 1VDC)





After 20 years' development, Newheek now provides wide range of x-ray parts and accessories, including exposure hand switches, foot switches, HV cables, collimators, bucky stand, bucky tabel, vet tabel etc., can meet demands of most x-ray machine producers/users/maintainers.

Model <b>NKDRSG01</b>	
Specification	
Vertical travel	Max 1100mm
Film Size	8"×10"~ 14"×7"(36cm×43cm)
Cassette loading	Right/left
Locking system	Mechanical brake
Vertical height	195cm +-5%
Grid (Optional, not included):	
Grid Density	40 lines/ cm (103LPI)
Grid Ratio	10:01
Focusing Distance	180cm



### Radiology Vertical Bucky Stand





Newheek provides wide solutions for vertical bucky stand.

- √ It could be fixed or movable;
- √ Suitable for DR, CR, cassette;
- √ Manual or electronic control ,wireless control available.

Model <b>NKDRDY01</b>	
Specification	
Vertical travel	Max 1020mm
Film Size	8"×10"~ 14"× 17"(36cm×43cm)
Cassette loading	Right/left
Locking system	Electromagnetic Lock
Vertical height	195cm +-5%
Power requirement	110/220VAC, 50/60Hz
Control	wire/wireless control available
Grid (Optional, not included)	
Grid Density	40 lines/ cm (103LPI)
Grid Ratio	10:01
Focusing Distance	180cm

### X-Ray Exposure Hand Switch

- √ Good operation feeling ,easy to grip
- √ Proved durable lifetime
- √ Various application including x-ray equipment(portable, mobile, c-arm, RF, dental x-ray ...), beauty machine, and rehabilitation equipment etc.
- √ Compatible to various connectors.

Pictures	Model	Standard Configuration	Highlight		Nominal Parameter	Environment Condition
	L01	1 2 steps, step 1 control exposure ready status, step 2 control exposure.	1	Inner double knobs double micro switch design.	3A, 125V AC 2A, 30V DC	Ambient Temperatur e: -20° C- 70° C Relative Humidity: ≤ 93% Atmospheric Pressure: 50-106kPa
			2	Spring strip trigger design.		
		2 4-Core 3m-Wire	3	Omron inner miroswitch.		
			4	Mechanical life 1,000,000 times, Electric life 200,000 times.		
	L03	1 3 steps, step1 control exposure ready status, step2 control exposure, setp3 controls collimator	1	Omron Inner Switch.	10A, 220V AC 5A 30V DC	
		2 6-core 6m-Wire	2	Mechanical life 50,000,000 times, Electric life 300,000 times.		
	L04	1 2 steps, step 1 control exposure ready status, step 2 control exposure	1	Omron Inner Switch.	10A, 220V AC 5A 30V DC	
		2 4-Core 3m-Wire	2	Mechanical life 50,000,000 times, Electric life 300,000 times.		
	L06	1 1 step control exposure	1	Omron Inner Switch.	3A, 125V AC 2A, 30V DC	
		2 2-Core 3m-Wire	2	Mechanical life 1,000,000 times, Electric life 200,000 times.		

## X-Ray High Voltage Cables



### Characters:



- √ For medical applications, such as x-ray machine, DR, CT etc.
- √ From basic radiography systems to high performance systems.
- √ Customized for highest flexibility.
- √ Complete product range.
- √ Every cable length available. Customized Length is Acceptable

Configuration	75kV	2m, 4m, 6m, 8m, 12m, 15m, 20m
	90kV	2m, 4m, 6m, 8m, 12m, 15m, 20m

<b>Specification:</b>	
Electrical Data	
Rated Voltage	90kVdc
Shield Resistance	0.010 Ohm/m
Coverage Shielding Braid	> 95%
Cable Capacity	< 120pF/m
Test Voltages	
High Voltage Insulation	90kVdc
Low Voltage Insulation	500 Vac
Mechanical Data: Cable	
Outer Diameter	16.5 mm + 0.5
Bending Radius	> 150mm
Low Voltage Conductor	2×1.5mm <sup>2</sup>
Common Conductor	2×0.75mm <sup>2</sup>
Conductor Resistance	0.013 Ohm/m
Cable Sheat Colour	Light grey
Mechanical Data: Plug	
Multiple Contact Pin	8 point contact
Max. Temperature	110 °C
Flanges	Demountable
Extremely Short Sleeve	34 mm
Small Plug Diameter	40 mm
Solderless Connection	(EMC grounding)



## X Ray Collimator- Manual

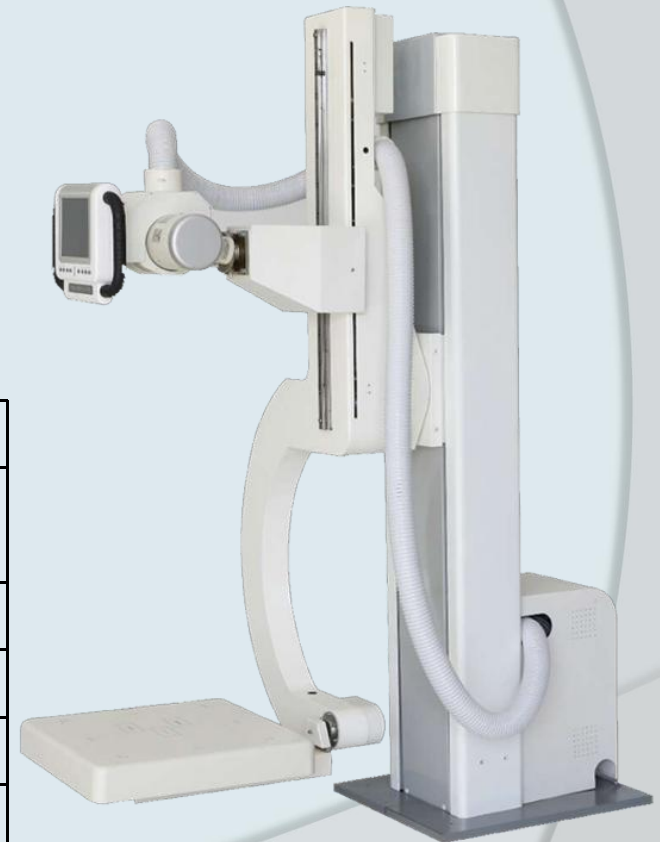
Picture	Model	Application	Main Spec.
 <p>The image shows a compact, white, rectangular X-ray collimator with two legs. It features a central dial with a scale from 15 to 35 cm, a power button on the left, and a yellow emergency stop button on the right. The text 'SID=90cm' is printed at the bottom of the front panel.</p>	<p>NK103</p>	<p>It is special designed for portable x ray unit, and is mainly used on 125kV x ray source.</p>	<p>The suitable x ray tube max voltage: 125 kV            Max irradiation field: SID (FFD) = 900mm hours, no less than 430 mm x 430 mm            Min irradiation field: &lt;10mm×10mm            Inherent filter: 1 mm·Al/75kVp            Lead leaf control mode: manual            Working power: 12V AC, 100 W (The lowest safe voltage)</p>
 <p>The image shows a larger, white, rectangular X-ray collimator with a carrying handle on top. It has two large control dials on the front panel, a power button, and a red emergency stop button. The text 'SID=100cm' is visible on the front panel.</p>	<p>NK202</p>	<p>It is designed for different x ray machine whose x ray tube is 150kV. And the max x ray imaging size is 17"x17".</p>	<p>The suitable x ray tube max voltage: 150 kV            Max irradiation field: SID (FFD) = 1000mm hours, no less than 430 mm x 430 mm            Min irradiation field: 0x0 mm            Inherent filter: 1 mm·Al/75kVp            Additional filter: 1 mm·Al and 2 mm·Al            Lead leaf control mode: manual            Working power: 24V AC/DC, 150 W (The lowest safe voltage)</p>

## U-ARM mechanical parts

### Features:

It use LCD microcomputer to control parameters. X-ray tube's moving is control by the motor. Photo frame rotations are used manually. It can take photo at standing position. It is the main equipment used for inspection for routine head, chest and abdomen, extremities, spine, bones and other parts of people.

Curved arm of mobile range: 700mm-1670mm (electric)
Curved arm rotate along the rotation center (At the height of safe rotation): $-15^{\circ} \sim 90^{\circ}$ (Electric)
Focal length of curved arm: 1000 ~ 1800 mm (electric)
Photo frame rotate along it's rotation center (Manual) : $-20^{\circ} \sim 20^{\circ}$
Specifications of metal grids: Optional
Specifications for installing the DR board: Optional
The height of safe rotation (The ground distance of the rotation center): 1650 mm



NK-U200

### Features:

- √ Four direction floating
- √ Electromagnetic locking
- √ CR,DR, cassette applicable
- √ Infrared foot switch
- √ Suitable to various brands tube

Specification	
Table size	2000mmx760mm
Table height	690mm
Table longitudinal travel	930mm
Table transverse travel	240mm
Bucky travel	740mm
Overall size	2000x760x2150mm
Bucky size	17"x17" 432mmx432mm
Tube arm travel	1100mm
Tube rotatory horizontal axis	$\pm 180^\circ$
Tube rotatory vertical axis	$\pm 90^\circ$



# Veterinary radiology table

## Features:

- √ Four direction floating
- √ Electromagnetic locking
- √ CR,DR, cassette applicable

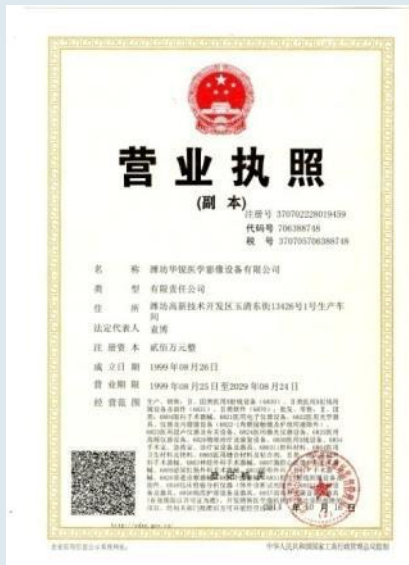
## Specification

Table size	1400mmx720mm
Table height	830mm
Fixed column height	2100mm
Table horizontal travel	260mm
Table vertical travel	120mm
Overall size	1400x720x2100mm



NK-VT03

## Company Qualification



## Product Certificates

**Certificate of Conformity**

Certificate Number: B-R16059922  
RoHS Directive 2011/65/EU

**Beide**  
Compliance Laboratory

Holder: Wefang Newhæck Electronic Technology Co., Ltd.  
Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: X Ray Image Intensifier  
Model No: NK-23XZ, NK-15XZ, NK-31XZ, NK-33XZ

The submitted products have been tested by us and found to be in compliance with the latest European Directives.

The test results apply only to the particular sample tested and to the specific tests carried out. Technical Report and documentation are at the Holder's disposal.

This certificate applies specifically to the sample investigated in our test reference number only. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation. Other relevant Directives have to be observed.

EN 61000-6-3:2007+A1:2011  
EN 61000-6-1:2007

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Certification Manager  
Date: Jun. 02, 2016

**Beide (UK) Product Service Limited**  
U.K. Flat 107, 25 Inneson Square, London, United Kingdom  
China: #F, 8th E, Houze 3rd Ind Zone, Xiang, Baotou Dist, Shenzhen, China  
http://www.beide.com E-mail: admin@beide.com

**Certificate of Conformity**

Certificate Number: B-E16059921  
EMC Directive 2014/30/EU

**Beide**  
Compliance Laboratory

Holder: Wefang Newhæck Electronic Technology Co., Ltd.  
Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: X Ray Image Intensifier  
Model No: NK-23XZ, NK-15XZ, NK-31XZ, NK-33XZ

Technical Data: DC 24V

The submitted products have been tested by us with the following standard(s) and found to be in compliance with the latest European Directives.

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EN 61000-6-1:2007

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**Certificate of Conformity**

Certificate Number: B-E16059924  
EMC Directive 2014/30/EU

**Beide**  
Compliance Laboratory

Holder: Wefang Newhæck Electronic Technology Co., Ltd.  
Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: High Voltage Cable  
Technical Data: DC 40-75KV

The submitted products have been tested by us with the following standard(s) and found to be in compliance with the latest European Directives.

EN 61000-6-3:2007+A1:2011  
EN 61000-6-1:2007

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Certification Manager  
Date: Jun. 13, 2016

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http://www.beide.com E-mail: admin@beide.com

**Certificate of Conformity**

Certificate Number: B-R16059923  
RoHS Directive 2011/65/EU

**Beide**  
Compliance Laboratory

Holder: Wefang Newhæck Electronic Technology Co., Ltd.  
Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: High Voltage Cable

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**Certificate of Conformity**

Certificate Number: B-R16029907  
RoHS Directive 2011/65/EU

**Beide**  
Compliance Laboratory

Holder: Wefang Newhæck Electronic Technology Co., Ltd.  
Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: Hand Switch  
Model No: XC-01, XC-02, XC-03, XC-04, L01, L02, L03, L04, L05, L06, L07, L08, L09, L10

The submitted products have been tested by us and found to be in compliance with the latest European Directives.

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This certificate applies specifically to the sample investigated in our test reference number only. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation. Other relevant Directives have to be observed.

   
Certification Manager  
Date: Feb. 24, 2016

**Beide (UK) Product Service Limited**  
U.K. Flat 107, 25 Inneson Square, London, United Kingdom  
China: #F, 8th E, Houze 3rd Ind Zone, Xiang, Baotou Dist, Shenzhen, China  
http://www.beide.com E-mail: admin@beide.com

**Certificate of Conformity**

Certificate Number: B-E16029906  
EMC Directive 2014/30/EU

**Beide**  
Compliance Laboratory

Holder: Wefang Newhæck Electronic Technology Co., Ltd.  
Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: Hand Switch  
Model No: XC-01, XC-02, XC-03, XC-04, L01, L02, L03, L04, L05, L06, L07, L08, L09, L10

Technical Data: AC 110-240V~15A / DC 30V, 5A

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EN 61000-6-3:2007+A1:2011  
EN 61000-6-1:2007  
EN 61000-3-2:2006+A1:2009-A2:2009  
EN 61000-3-3:2013

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Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: X Ray Collimator  
Model No: NK-1X5, NK102, NK103, NK202, NK202SF, NK301, NK302, NK303, NK305, NKM302, NKPF202, NKPF202CL, NKPF202AF, NKPF202AF1, NKM301, NKPF301, NKPF301, NKPF302, NKPF601

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Compliance Laboratory

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Address: The North 2nd Floor of No.1 Factory Building of No.13426 Yuyang East Street, Hi-Tech Industry Development Zone, Wefang, Shandong, China.  
Manufacturer: Same As Holder  
Product: X Ray Collimator  
Model: NK-1X5, NK102, NK103, NK202, NK202SF, NK301, NK302, NK303, NK305, NKM302, NKPF202, NKPF202CL, NKPF202AF, NKPF202AF1, NKM301, NKPF301, NKPF301, NKPF302, NKPF601

Technical Data: DC 24V

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EN 61000-6-1:2007

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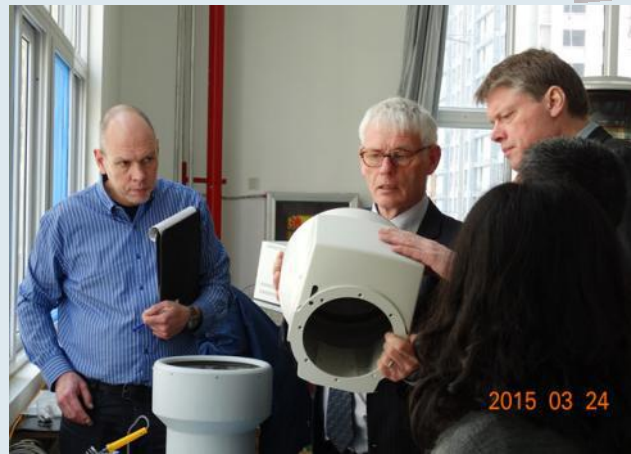
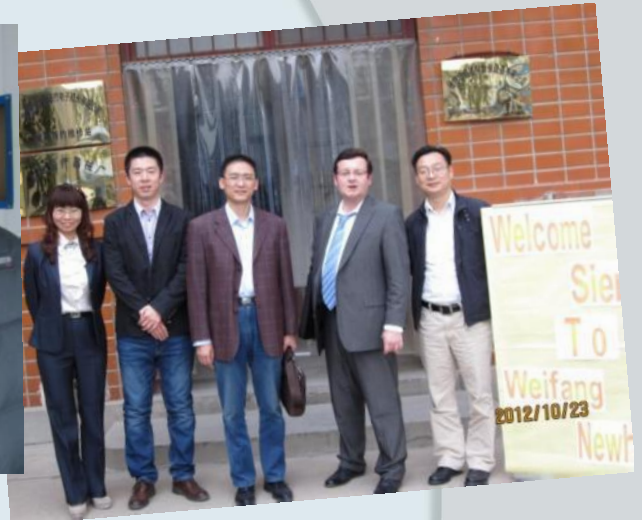
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### Cooperation Partners



*Newheek*

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## Contact Us



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