



VisiConsult

Imaging and Automation



X-RAY Radioscopic Handling system

INNOVATIVE SOLUTIONS
FOR X-RAY
TECHNOLOGY

X-ray system for sampling and serial inspection

The XRH222 is a well-designed X-ray system made in Germany

Many years of experience with industrial X-ray inspection have influenced the development of the XRH222.

Maximum flexibility

The XRH222 is suitable for any kind of inspection. All-purpose three-jaw chucks, adapter plates or specific object brackets prevent the object from moving during inspection.

Maximum productivity

The XRH222 can be used both as manual or fully automatic X-ray system. Specific manifold brackets enable batch processing during inspection which minimises non-productive times when loading the system.



Maximum service life

We thoroughly selected all components. Only well proven components with low maintenance and wear are used for the system.

Minimum maintenance

The maintenance intervals can be extended as low maintenance components are used. Easy and quick access to all lubricating points.

Xplus++ The image enhancement system

Our state of the art image enhancement system **Xplus++** leaves nothing to be desired.

Apart from optimised representation of moving images any other required function can be performed due to integrated digital filters, labelling and archiving features.

Process-safe operation is ensured by different password protected user levels.

We comply with EN 17636-2, Boeing 7042/7044 or NADCAP but also with any other standards applying for X-ray inspection (depending on which image or X-ray source is selected).

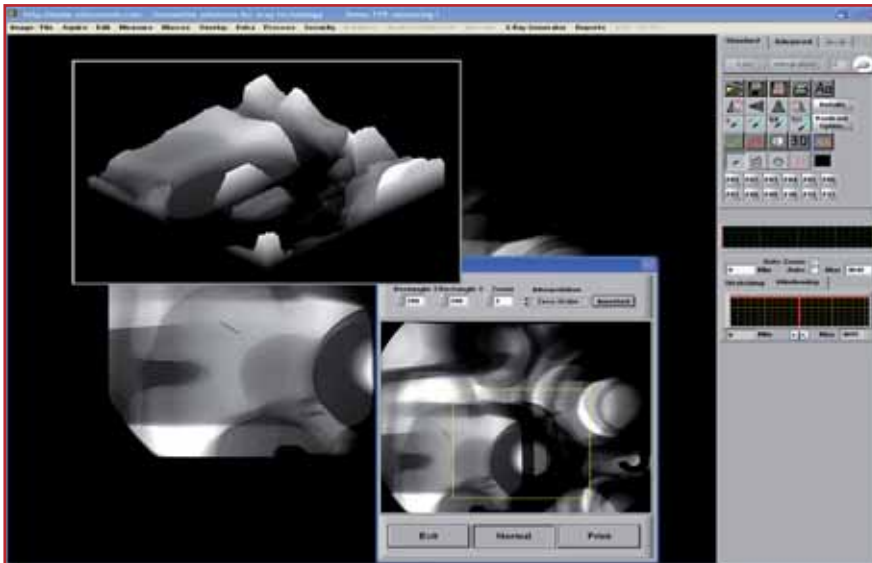


Image source

The customer selects the image source. Whether image intensifier with high-resolution camera or flat panel detector – everything is possible.

X-ray source

The **XRH222** can be equipped with a micro focus source or a conventional industrial X-ray source.

VAIP

VisiConsult Automated Image Processing

Optionally, we offer fully automated image processing where the computer is used to perform repetitive inspections. Short cycle time combined with high detection quality increases the productivity of the system.

Any specifications stipulated for the automotive industry are fulfilled.

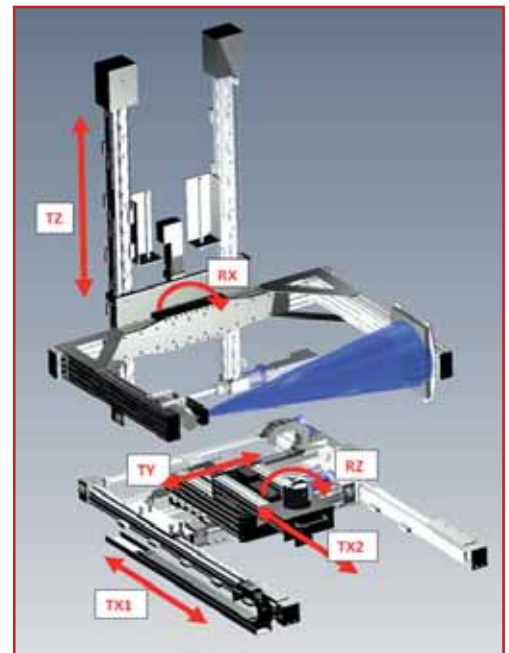
Computed tomography

Extension for computed tomography is available on request. Extra work is minimised due to the high positioning accuracy of the **XRH222**.

One system for any application

The **XRH222** is used in many industrial branches. Typical fields of application are the automotive industry or aviation but also conventional weld seam inspection.

The XL version of this system enables the inspection of larger objects.



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	Standard				XL			
	Energy		Maximum Part Size (Ø x Height)		Maximum Part Weight (kg)		Cabinet Size (W x D x H)	
Energy	160 KV		225 KV		160 KV		225 KV	
Maximum Part Size (Ø x Height)	650 x 950 **		650 x 950 **		900 x 1500 **		900 x 1500 **	
Maximum Part Weight (kg)	110 kg *		110 kg *		110 kg *		110 kg *	
Cabinet Size (W x D x H)	2800 * 2100 * 2750 mm		2800 * 2100 * 2750 mm		2800 * 2500 * 3250 mm		2800 * 2500 * 3250 mm	
Weight cabinet (approx.)	6000 kg		6000 kg		8000 kg		8000 kg	
Weight control panel (approx.)	300 kg		300 kg		300 kg		300 kg	
	Travel		Speed		Travel		Speed	
TX (Max)	650 mm	20 m/min	650 mm	20 m/min	900 mm	20 m/min	900 mm	20 m/min
External Loading	400 mm	(pneumatic)	400 mm	(pneumatic)	400 mm	(pneumatic)	400 mm	(pneumatic)
TY (Max) (Magnification)	500 mm	20 m/min	500 mm	20 m/min	500 mm	20 m/min	500 mm	20 m/min
Focus Detector Distance	900 -1200 mm***		900 -1200 mm***		900 -1200 mm***		900 -1200 mm***	
TZ (Max) Vertical Motion	950 mm	22 m/min	950 mm	22 m/min	1500 mm	22 m/min	1500 mm	22 m/min
RX (Max) Tilt of C-Arm	+/- 30°	35° / s	+/- 30°	35° / sec	+/- 30°	35° / sec	+/- 30°	35° / s
RZ Rotation of workpiece	n x 360 °	220 ° / s	n x 360 °	220 ° / s	n x 360 °	220 ° / sec	n x 360 °	220 ° / s

* Depends on the loading position

** A higher length of the workpiece is possible. The workpiece has to be reloaded

*** Depends on the flat panel / Image Intensifier

Connected Loads: 3N PE 400/230 V 50 Hz 32 A

Power consumption: Approx. 8 KW

Grounding: Separate Grounding for X-ray Device and High Voltage Generator (< 2 ohms) with a minimum of 6 mm²

Ambient temperature: +10°C - + 40°C non condensing

Compressed Air: 6 bars

**The XRH222 meets all national and international standards.
Quality made in Germany.**



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DISCOVER THE INVISIBLE

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