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Aero-ndt-Service Althaus GmbH Engineering

Werkstoffprüfung aus einer Hand

Presentation of the new X-ray system XRH 222 XL

Manufacturing Company	**VisiConsult**
Type	**XRH 222 XL**
Built	09/2018
Max. part size (mm)	900x1500
Max. part weight (kg)	120
System size (mm L x W x H)	3000 x 2500 x 3300

X-ray cabinet XRH 222 XL

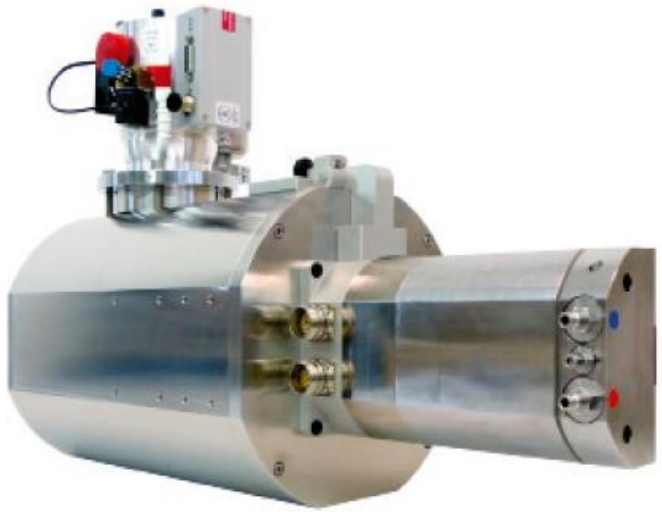
- for medium to large components
- automatic image evaluation and error detection
- C-Arm concept allows tilting + - 30 ° in all positions
- the image enhancement system *Xplus* all fulfill all major international industry standards like ASTM, EN17636-2, Boeing 7042/44, NADCAP, …
- in live mode: high-quality real-time testing with a high dynamic range

Technical specifications

Technical data

Max. voltage (kV)	160	190	225	240	300
Min. voltage (kV)	20	20	20	20	50
Max. current (mA)	3.0	3.0	3.0	3.0	2.0
Min. current (mA)	0.05	0.05	0.05	0.05	0.05
Max. power, emission (Watt)	350	350	350	350	350
Max. power, target (Watt)	300	300	300	300	300
JIMA resolution (µm)*	2.0	2.0	2.0	2.0	3.0
Tube type			Reflection		
Target type			*High Power*		
Target material			Tungsten		
Min. focus-object-distance (FOD, mm)	4.0	4.0	4.0	4.0	4.0
Opening angle (approx. °)	30	30	30	30	30
Mounting length incl. 90° HV plug (mm)	706	706	782	782	905
Tube weight (approx. kg)	36	36	50	50	66

Microfocus X-ray tube XWT-225 SE



Microfocus X-ray tube and typical applications

The **Microfocus X-ray tube XWT-225 SE** (Slide 2)
is recommended for

- computed tomography (PCT)
- two-dimensional (2D) inspection
- radiographic testing (RT)
- computed radiography (CR)
- digital radiography (DR)

Typical applications
aviation, aerospace and automotive industries

- Mechanical components like control valves or flap actuators
- Circumferential electron beam (EB) welds in conducts and air ducts
- Rotor blades, turbine blades
- Aircraft turbines
- Electronic assemblies
- (Small) titanium and aluminium castings
- Composite materials
- Electronic assemblies
- Micro-mechanical devices
- Plugs and crimps
- Battery packs
- etc.