

BALTOOMATIC AIS228X



Cabinet size:	1620x1038x1506 mm
X-ray compartement:	1200x800x1200 mm
Door size:	550x550 mm
Focal spot - Film distance:	1000 mm
Irradiated area at FFD:	500x500 mm
Mains (single phase):	230 V
Frequency:	50 Hz
Current consumption:	32 A
Operating temp.:	From 10° to 35°C
X-ray leak*:	< 0,5 µSv/h
Duty cycle:	100 %
Tubehead:	Metal-Ceramic

* @ 10 cm of the wall, fully protected cabinet.

MAIN FEATURES

- Safe shielded cabinet with leakage dose rate of <math><0.5\mu\text{Sv/h}</math>
- X-ray generator available from 5 to 450 kV and up to 30 mA
- Constant potential high frequency generator available
- Manual swivel door with double magnetic sensor and an electro magnet with a locking strength of 3000 N.
- Safety first, x-ray start with 2 buttons



KEY ADVANTAGES

- Multi purpose X-ray generator is able to inspect many types of parts
- Available in different version allowing you to choose between different generators.
- Main switch with a removable key that avoids unauthorized people to operate the equipment
- Two emergency stop buttons (one on the shielded cabinet and one on the control unit).
- A large door with an aperture of 550 mm x 550 mm
- Fully integrated design

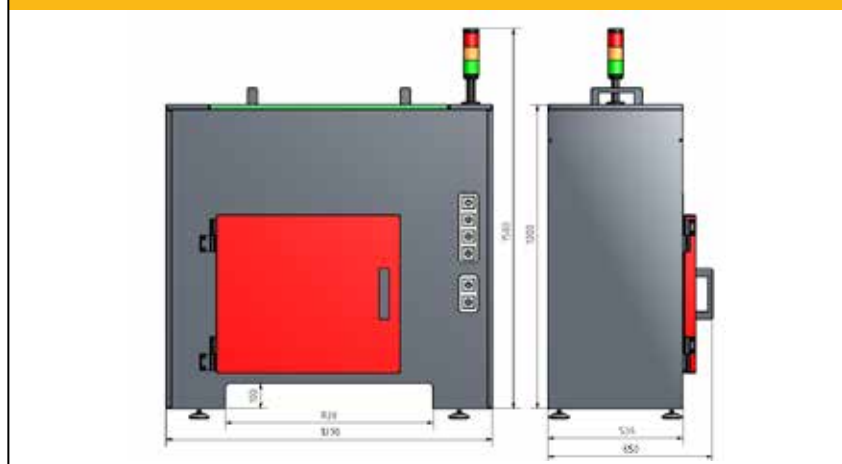


SHIELDED CABINET FOR X-RAY INSPECTION OF WELDED SAMPLES AND CASTINGS

The AIS228X is the powerful version of the AIS228. It is a very compact equipment that provides you with numerous advantages. A wide variety of samples as well as different thicknesses can be inspected with this unit. This shielded cabinet includes, as irradiating source, a directional X-ray tubehead and a generator from the very well-known and efficient Baltograph range.



MECHANICAL DRAWING



These cabinets are generally made of a steel structure with lead reinforcement to assure a proper shielding against radiation outside of the confined area («sandwich» type assembly: steel-lead-steel). This user-friendly equipment can be very easily operated with a maximum safety.

INTERNATIONAL

- CE certified
- NFC74-100 LCIE Certified
- Manufactured under ISO9001

Specifications	Units	BALTOMATIC AIS228X
Cabinet size (L x D x H):	mm	1620 x 1038 x 1506
X-ray compartement (L x D x H):	mm	1200 x 800 x 1200
Door size (L x H):	mm	550 x 550
Focal spot - Film distance:	mm	1000
Irradiated area at FFD:	mm	500 x 500
Mains (single phase):	V	230
Frequency:	Hz	50
Current consumption:	A	32
Operating temperature:	°C	From 10 to 35
X-ray leak @ 10 cm of the wall	µSv/h	< 0,5 µSv/h (fully protected cabinet)

Optional movable roof for easy service, electro magnetic lock with « fail free » active function, door on hinges.

Specifications	Units	AIS228X	AIS228X
		With XSD320	With XSD450
High voltage range:	kV	5 to 320	5 to 450
Tube current range:	mA	1 to 30	1 to 30
Beam angle:		Refer to tubes flyer	Refer to tubes flyer
Focal spot size (IEC336):		From 0,8 x 0,8 to 3 x 3	From 0,8 x 0,8 to 3,5 x 3,5
Maximum anode power dissipation:	Watt	4500	4500
Steel penetration at max (*):	mm	Up to 76	Up to 104
Working temperature:	°C	Max. 70°	Max. 70°
Inherent filtration:	mm	Refer to tubes flyer	Refer to tubes flyer
Anode cooling type:		Oil	Oil
Duty cycle:	%	100	100
Tubehead:		Metal-Ceramic	Metal-Ceramic
Control unit:		LS1 or LS1C2	LS1 or LS1C2

* FFD= 700mm/Film Kodak AX/D=2.0/t=10min.

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