

**BALTOMATIC AIS228**



Cabinet size:	<b>1290 x 650 x 1500 mm</b>
X-ray compartment:	<b>980 x 500 x 790 mm</b>
Door size:	<b>550 x 550 mm</b>
Focal spot - Film distance:	<b>850 mm</b>
Irradiated area at FFD:	<b>500 x 360 mm</b>
Mains (single phase):	<b>230 V</b>
Frequency:	<b>50 Hz</b>
Current consumption:	<b>9 A</b>
Operating temp.:	<b>From 10° to 35°C</b>
X-ray leak*:	<b>&lt; 0,25 µSv/h</b>
Duty cycle:	<b>100 %</b>
Tubehead:	<b>Metal-Ceramic or Ceramic</b>

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

**MAIN FEATURES**

- Safe shielded cabinet with leakage dose rate of <math><0.25\mu\text{Sv/h}</math>
- X-ray generator available from 5 to 300 kV and up to 12 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

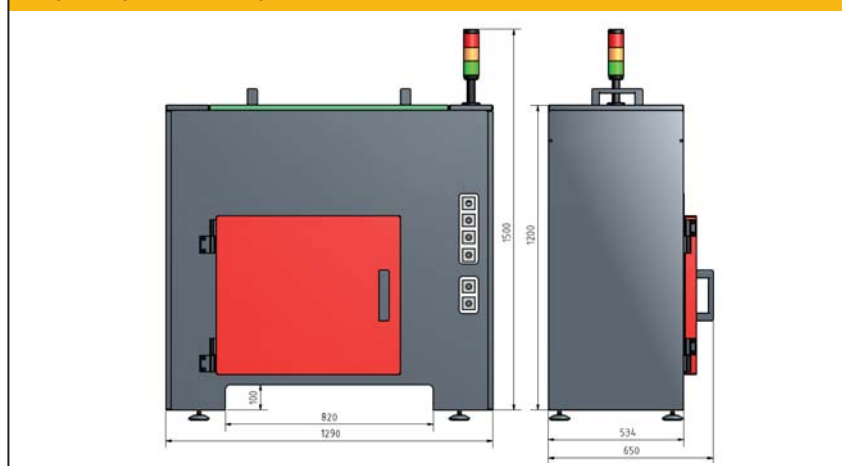


**SHIELDED CABINET FOR X-RAY INSPECTION OF WELDED SAMPLES AND CASTINGS**

*The AIS228 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 cabinets includes, as irradiating source, a directional X-ray generator from the very well-known and efficient Baltospot 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

Specifications	Units	BALTOMATIC AIS228
Cabinet size (L x D x H):	mm	1290 x 660 x 1510
X-ray compartement (L x D x H):	mm	900 x 500 x 710
Door size (L x H):	mm	500 x 500
Focal spot - Film distance:	mm	850
Irradiated area at FFD:	mm	500 x 360
Mains (single phase):	V	230
Frequency:	Hz	50
Current consumption:	A	9
Operating temperature:	°C	From 10 to 35
X-ray leak @ 10 cm of the wall	µSv/h	< 0,25 µSv/h (fully protected cabinet)

**Optional «stand» (1310 x 555 x 502) with/without doors, elevated floor to allow fork lift uses for transportation, movable roof for easy service, electro magnetic lock with «fail free» active function, door on hinges.**

Specifications	Units	AIS228 With GFD165	AIS228 With CERAM235	AIS228 With CERAM35	AIS228 With LLX160/DA-1	AIS228 With LLX200/DA-1	AIS228 With XSD160	AIS228 With XSD225
High voltage range:	kV	50 to 160	70 to 235	100 to 300	5 to 160	5 to 200	5 to 160	5 to 225
Tube current range:	mA	1 to 5	0,1 to 5	0,5 to 5	0,5 to 12	0,5 to 12	0,1 to 50	0,1 to 30
Beam angle:		55°	40°	40°	60° x 40°	60° x 40°	Refer tube flyers	Refer tube flyers
Focal spot size (IEC336):		1,5 x 1,5	2 x 2	2,5 x 2,5	1,5 x 1,5	1,5 x 1,5	0,2 x 0,2 to 3 x 3	0,2 x 0,2 to 3 x 3
Maximum power:	W	800	1175	1500	900	900	4000	4000
Steel penetration (*):	mm	17	43	58	34	44	35	54
Working temperature:	°C	Max. 70°	Max. 70°	Max. 70°	Max. 70°	Max. 70°	Max. 70°	Max. 70°
Inherent filtration:	mm	6 Al	1 Be	1 Be	0,8 Be	0,8 Be	Refer tube flyers	Refer tube flyers
Anode cooling type:		Air	Air	Air	Air	Air	Water	Water
Duty cycle:	%	100**	100	100	100	100	100	100
Tubehead:		Glass	Ceramic	Ceramic	Metal-Ceramic	Metal-Ceramic	Metal-Ceramic	Metal-Ceramic
Control unit:		CF2000 or Hand-X	CF2000 or Hand-X	CF2000 or Hand-X	DC1 or Hand-XD	DC1 or Hand-XD	LS1 or LS1C2	LS1 or LS1C2

\* FFD= 700mm/Film Kodak AXD=2.0/t=10min. \*\*At 30°C reduced mA.

## Contact details

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