

## BALTOMATIC AIS958

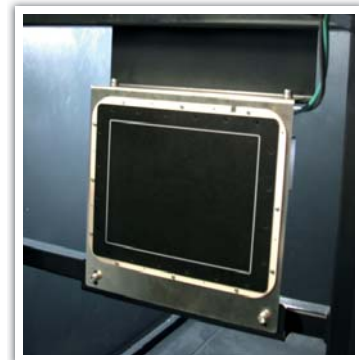


Cabinet size:	<b>1608 x 948 x 1448 mm</b>
Door size:	<b>505 x 505 mm</b>
Focal spot - Flat panel:	<b>1040 mm</b>
kV max.:	<b>Up to 225 kV</b>
mA max.:	<b>Up to 50 mA</b>
Mains (single phase):	<b>230 V</b>
Frequency:	<b>50 Hz</b>
Current consumption:	<b>9 A</b>
Operating temp.:	<b>From 10° to 35°C</b>
X-ray leak*:	<b>&lt; 0,5 µSv/h</b>
Duty cycle:	<b>100 %</b>
Tubehead:	<b>Metal-Ceramic</b>

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

### MAIN FEATURES

- Fully Automated operating system for automatic sequence restitution
- Safe shielded cabinet with leakage dose rate of <math><0.5\mu\text{Sv/h}</math>
- Equipped with a radiation detector such as Avara/C
- X-ray generator available from 5 to 225 kV and up to 50 mA
- Delivered with Image Acquisition software from the Inspection Suite
- 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 Internal lighting & adjustable feet
- Fully integrated, no external electrical box or visible cable labyrinth



### KEY ADVANTAGES

- Available fully installed in a trailer to do inspection anywhere at anytime
- 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 505 mm x 505 mm

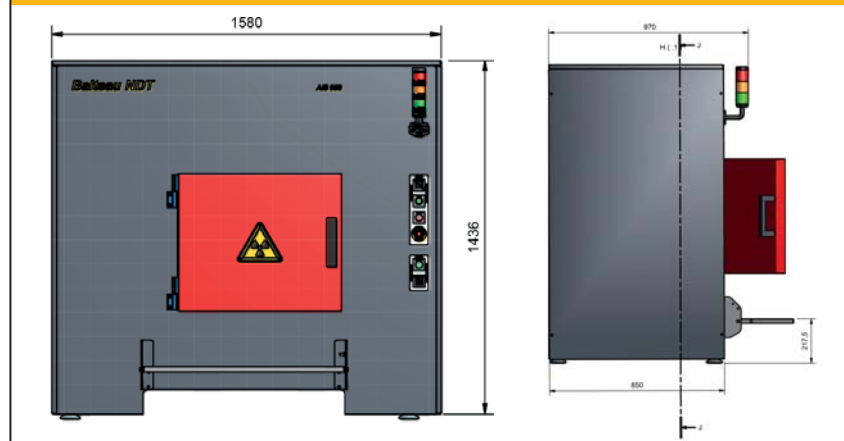
### SHIELDED CABINET FOR DIGITAL & AUTOMATED X-RAY INSPECTION

The AIS958 is a very compact complete digital & automated x-ray system. A wide variety of samples with different thicknesses can be inspected with this unit. Thanks to the 5 axis motorized manipulator, the user has the opportunity to radiograph a sample from all angles and thus, achieve a complete inspection.



In addition to being complete, the AIS958 can be mobile with its installation in a trailer (optional). This allows the user to move over a wide area and thus respond quickly and effectively to customer requests.

### MECHANICAL DRAWING



This shielded cabinet made of a steel structure with lead reinforcement ("sandwich" type assembly : steel-lead-steel) includes a directional constant potential generator of 160 kV or 225 kV as well as a flat panel. The AIS958 is associated with our «Inspection Suite» of softwares, including our image processing software IPS012.

### INTERNATIONAL

- CE certified
- NFC74-100 LCIE Certified

Specifications	Units	BALTOMATIC AIS958
Cabinet size (L x D x H):	mm	1608 x 948,5 x 1448,2
Door size (L x H):	mm	505 x 505
Focal spot - Flat panel distance:	mm	1040
kV maximum:	kV	225 (depending on chosen equipment)
mA maximum:	mA	50 (depending on chosen equipment)
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	< 0,5 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	AIS958 With LLX160/DA	AIS958 With LLX200/DA	AIS958 With CLD160	AIS958 With XSD160	AIS958 With XSD225
High voltage range:	kV	5 to 160	5 to 200	15 to 160	5 to 160	5 to 225
Tube current range:	mA	0,5 to 12	0,5 to 12	0,3 to 5	0,1 to 50	0,1 to 30
Beam angle:		60° x 40°	60° x 40°	Refer tube flyers	Refer tube flyers	Refer tube flyers
Focal spot size (IEC336):		1 or 3 (EN12543)	1 or 3 (EN12543)	0,2 x 0,2 to 3 x 3	0,2 x 0,2 to 3 x 3	0,2 x 0,2 to 3 x 3
Maximum power:	W	600 or 900	600 or 900	400	4000	4000
Steel penetration (*):	mm	34	44	20	35	54
Working temperature:	°C	Max. 50°	Max. 50°	Max. 45°	Max. 45°	Max. 45°
Inherent filtration:	mm	0,8 Be	0,8 Be	Refer tube flyers	Refer tube flyers	Refer tube flyers
Anode cooling type:		Air	Air	Water	Water	Water
Duty cycle:	%	100	100	100	100	100
Tubehead:		Metal-Ceramic	Metal-Ceramic	Metal-Ceramic	Metal-Ceramic	Metal-Ceramic
Control unit:		DC1 or Hand-XD	DC1 or Hand-XD	RC7	LS1 or LS1C2	LS1 or LS1C2

\* FFD= 700mm/Film Kodak AXD=2.0/t=10min.



### Contact details

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