

BALTOMATIC AIS958

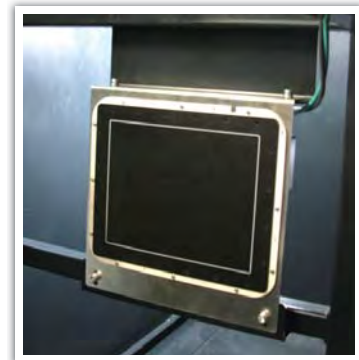


| | |
|--------------------------|-----------------------------|
| Cabinet size: | 1608 x 948 x 1448 mm |
| Door size: | 505 x 505 mm |
| Focal spot - Flat panel: | 1040 mm |
| kV max.: | Up to 225 kV |
| mA max.: | Up to 50 mA |
| Mains (single phase): | 230 V |
| Frequency: | 50 Hz |
| Current consumption: | 9 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

- 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

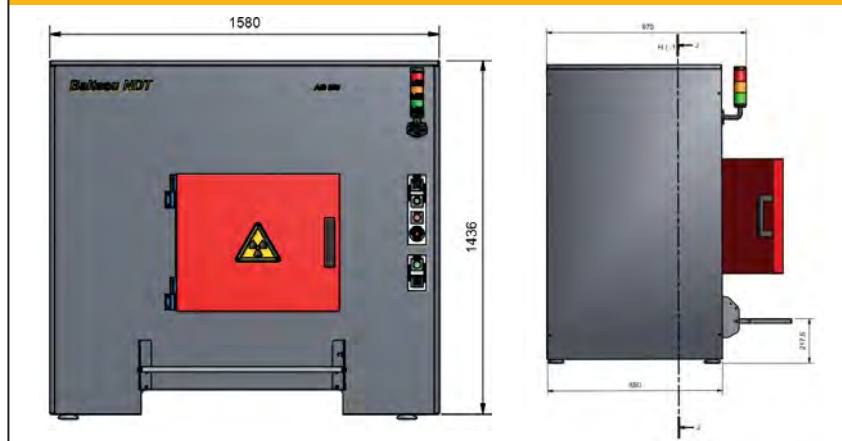
SHIELDED CABINET FOR DIGITAL & AUTOMATED X-RAY INSPECTION

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
- Manufactured under ISO9001

| 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=2.0t=10min.



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