



BALTOMATIC AIS203RD

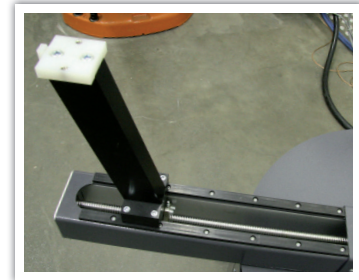


Cabinet size:	4688x4556x4397 mm
Door size:	2184 mm
Focal spot to detector:	500 to 1000 mm
Component max. size :	Ø 1869 mm
Component max. weight:	50 kg
Manipulator:	X-ray arm & rotating table
Image acquisition:	FPDigit 14 or 16 bits
X-ray source:	XSD160 or XSD225
Mains (Three phase):	380 V
Operating temp.:	From 10° to 35°C
X-ray leak*:	< 0,5 µSv/h
Duty cycle:	100 %

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

MAIN FEATURES

- Baltograph X-ray generator and tubehead **up to 225kV**
- Multiple axis robot to manipulate X-ray tube and detector
- Rotating table for component placement and fixation during inspection
- Suitable for shielded cabinet or bunker
- **ADR software module** (Assisted Defect Recognition) available
- Independent control desk including LS1C2 control unit & 19" PC rack with dual monitors
- Detector FP Digit 14 or 16 bits, 200µm or 127µm or 100µm
- **Phantom for FP Digit** automatic calibration & certification available
- Motorized diaphragm



KEY ADVANTAGES

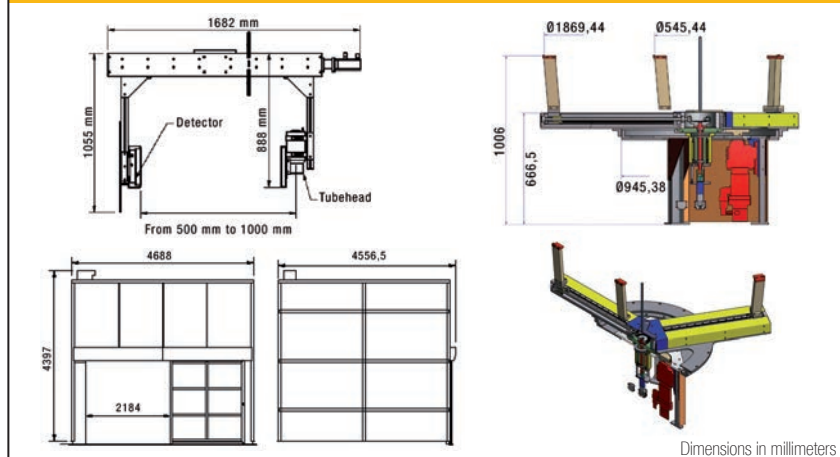
- Robot manipulator enables digital radiographies to be taken from every angles
- Distance tube - detector adjustable
- **Independent analysing desk** for components acceptance/rejection including IPS012 Image Processing Software
- Cameras inside cabinet or bunker to visualise inspection
- **Rotating table** adaptable to any sort of component to be inspected
- Customisable solution
- Automation of the real time system available with the Inspection Suite
- Main switch with removable key avoiding unauthorized operation of the equipment
- Emergency stop buttons
- Digital axis controller

REAL TIME X-RAY SYSTEM FOR LOW PRESSURE COMPRESSORS AND STATORS INSPECTION

The AIS203RD has been created to inspect metallic and non-metallic components in all sorts of industry but mostly in Aeronautics. Every single element of the installation is configurable and highly flexible to be used in different applications in digital radiography. The system is built around a robot for the detector/source movements in order to provide the user with every possible inspection angle that could be required and that can be fitted on the main manipulator.



MECHANICAL DRAWING



All sequences of inspection can be manual with a digital axis manipulation or automated with the Inspection Suite of software, allowing the user to simply load the part inspection process and press start. It is not only automated but can also be installed with the ADR module which will considerably increase the efficiency and speed of inspection.

INTERNATIONAL

- CE
- NFC74-100 generator
- Manufactured under ISO9001

Specifications	Units	BALTOOMATIC AIS203RD-160kV	BALTOOMATIC AIS203RD-225kV
Cabinet size (L x D x H):	mm	4688 x 4556 x 4397	4688 x 4556 x 4397
Component max. size:	mm	Ø 1869	Ø 1869
Component max. weight:	kg	50	50
Door size (Width):	mm	2184	2184
X-ray generator:		Constant potential XSD160/4kV	Constant potential XSD225/4kV
Tubehead:	kV	TSD 160 kV	TSD 225 kV
Control desk:		LS1C2 with 19" PC Rack	LS1C2 with 19" PC Rack
Focal spot / detector distance:	mm	500 to 1000	500 to 1000
Mains (Three phase):	V	380	380
Current consumption:	A / kW	9 A / 16 kW	9 A / 16 kW
Operating temperature:	°C	From 10 to 35	From 10 to 35
X-ray leak @ 10 cm of the wall	µSv/h	< 0,5 µSv/h	< 0,5 µSv/h

STANDARD AND OPTIONAL EQUIPMENT	BALTOOMATIC AIS203RD-160kV		BALTOOMATIC AIS203RD-225kV	
	<i>Standard</i>	<i>Optional</i>	<i>Standard</i>	<i>Optional</i>
Radiation protected shielded cabinet (< 0,5 µSv/h)		✓		✓
Motorized 5 axis robot	✓		✓	
Motorized rotating table	✓		✓	
Control desk with dual monitors (High brightness B&W + Color)	✓		✓	
Constant Potential x-ray generator	✓		✓	
Tubehead	✓		✓	
Detector FPDigit 13-127 / 16 bits / 127 µm	✓		✓	
Detector FPDigit 11-200 / 14 bits / 200 µm		✓		✓
Detector FPDigit 11-200 in 16 bits version		✓		✓
Detector FPDigit 16-139 / 16 bits / 139 µm		✓		✓
Motorized diaphragm with 4 independent shutters (CLMT4-4)		✓		✓
Independant analysing desk for components acceptance/rejection		✓		✓
ADR software module (Assisted Default Recognition)		✓		✓
IPS012 Image Processing Software		✓		✓
SRb add-on to IPS012 (Basics Spacial Resolution)		✓		✓
SNR add-on to IPS012 (Signal to Noise Ratio)		✓		✓
Automation software (motion automatisation controller)		✓		✓
DICONDE image recording format		✓		✓
Database record (Client's network or local server)		✓		✓
UPS device for computer and monitors		✓		✓
Phantom for flat panel calibration and qualification		✓		✓



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