X-Ray Solutions

Balteau NDT

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« *REAL TIME SYSTEM DESIGNED ESPECIALLY FOR CYLINDERS INSPECTIONS* »

BALTOMATIC **AIS201**

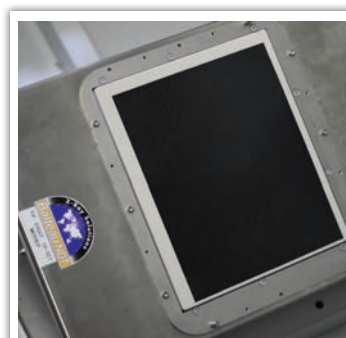|	
Cabinet size:	**1450x1480x2390 mm**
Component max. height:	**1650 mm**
Component max. diameter:	**400 mm**
Component max. weight:	**40 kg**
Control desk:	**LS1C2 with 19" PC Rack**
Manipulator:	**5 axis (X, Y, Z, rot & tilt)**
Image acquisition:	**FPDigit 14 or 16 bits**
X-ray source:	**XSD160 or 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

- Cylinders inspections real time system
- Independent control desk including LS1C2 control unit & 19" PC rack with dual monitors
- Detector FP Digit 16 bits, 200µm or 127µm or 100µm
- Motorized 4 shutters diaphragm (optional)
- Motorized 5 axis manipulator (X, Y, Z, rotation & tilt)
- Motorized large door with glass window
- Safe shielded cabinet with leakage dose rate <0.5µSv/h
- Constant potential 160kV and 225kV x-ray generators available

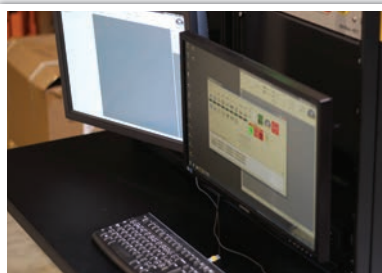«U» shaped arm with x-ray source and detector

KEY ADVANTAGES

- Real Time System able to inspect a wide panel of cylinders, up to 1650mm height, Ø400mm and 40 kg.
- Conformity to the ISO17636-2 standard
- A large panel of options (see back page)
- Main switch with removable key avoiding unauthorized operation of the equipment
- Remote control for teaching module (optional)
- Manipulators adjustable speed
- Three emergency stop buttons
- Digital axis controller
- Thanks to the 2 separated manipulators, it is a very compact cabinet, fitting into one container (cabinet with control desk)
- Easy to move with a forklift

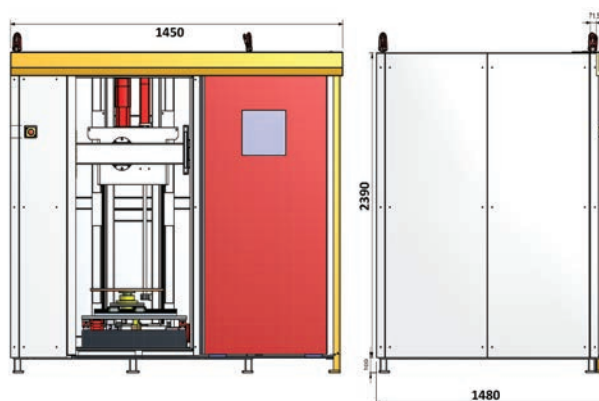### | CYLINDERS INSPECTION REAL TIME SYSTEM X-RAY SOLUTION

The AIS201 is a Real Time Radiography (RTR) inspection system especially designed for the control of any kind cylinders. This cost effective inspection system will drastically cut down the inspection time and cost, thanks to its 5 axis manipulator.

Equipped with an x-ray generator from 160kV to 225kV, a flat panel & much more, the AIS201 is one of the best cynlinders inspection RTR system available on the

Control desk with PC rack 19" & LS1C2 control unit

MECHANICAL DRAWING

1450

2390

1480

Dimensions in millimeters

market. With the latest version of the Inspection suite, it will facilitate and accelerate the everyday inspection jobs allowing to record motions and to automate the inspection. The operator will also be able to process the image with the IPS012 Image Processing Software.

INTERNATIONAL

- CE
- NFC74-100 generator
- Manufactured under ISO9001

BALTOMATIC **AIS201**

Specifications	Units	BALTOMATIC **AIS201-160kV**	BALTOMATIC **AIS201-225kV**
Cabinet size (L x D x H):	mm	1450 x 1480 x 2390	1450 x 1480 x 2390
Component max. height:	mm	1650	1650
Component max. diameter:	mm	400	400
Component max. weight:	kg	40	40
X-ray generator:		Constant potential XSD160/4kW	Constant potential XSD225/4kW
Tubehead:	kV	TSD 160 kV	TSD 225 kV
Control desk:		LS1C2 with 19" PC Rack	LS1C2 with 19" PC Rack
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

	BALTOMATIC **AIS201-160kV**		BALTOMATIC **AIS201-225kV**	
	Standard	Optional	Standard	Optional
Radiation protected shielded cabinet (< 0,5 µSv/h)	✔		✔	
5 motorized axis (X, Y, Z, rotation & tilt)	✔		✔	
Motorized door with glass window	✔		✔	
Control desk with dual monitors	✔		✔	
Constant Potential x-ray generator	✔		✔	
Tubehead	✔		✔	
Detector FPDigit 13-127 / 16 bits / 127µm	✔		✔	
Detector FPDigit 11-200 in 16 bits version		✔		✔
Detector FPDigit 11-200 in «Premium grade» version		✔		✔
Detector FPDigit 11-200 in 100µm version		✔		✔
Motorized diaphragm with 4 independent shutters (CLMT4-4)		✔		✔
Motorized adjustable focal spot / detector distance		✔		✔
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 FPDigit		✔		✔

All specifications are non contractual and are subject to change without prior notice