X-Ray Solutions

Balteau NDT

www.**balteau**.com

« A **MULTIPURPOSE** REAL TIME SYSTEM DESIGNED BY BALTEAU NDT »
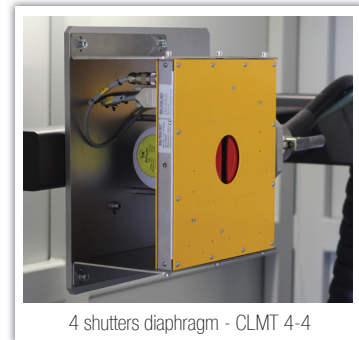
BALTOMATIC **AIS229**

Cabinet size:	**2917x2051x1977 mm**
Door size:	**1074x1852 mm**
Focal spot - Film distance:	**1000 mm**
Component max. size :	**530x530x800mm**
Component max. weight:	**100 kg**
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.

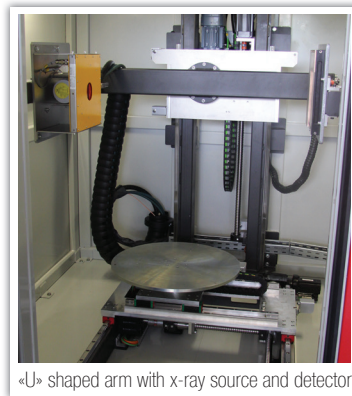### MAIN FEATURES

- Multipurpose real time system
- 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
- Motorized 4 shutters diaphragm
- 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
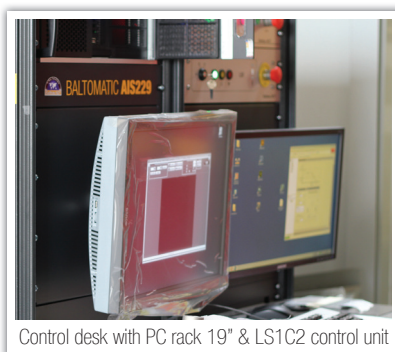- Constant potential 160kV and 225kV x-ray generators available

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

4 shutters diaphragm - CLMT 4-4

KEY ADVANTAGES

- Multipurpose Real Time System able to inspect a wide panel of components, up to 530x530x800mm and 100 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
- 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)
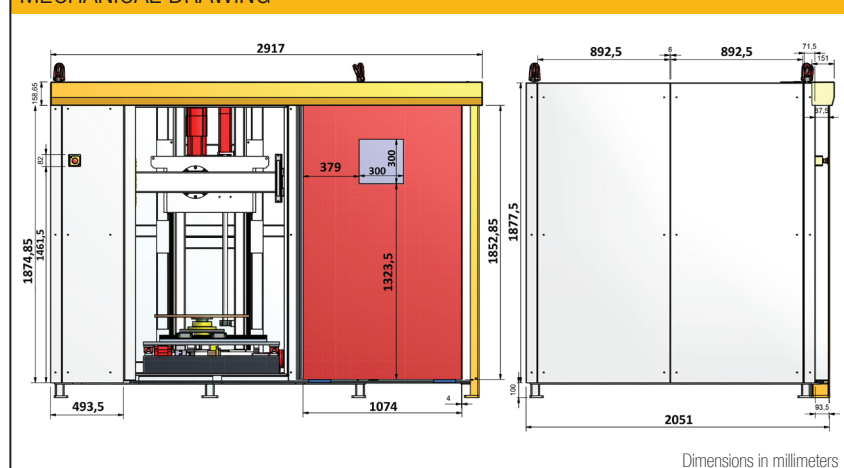- Easy to move with a forklift

MULTIPURPOSE REAL TIME SYSTEM X-RAY SOLUTION

Latest standard & automatic real time system developed by Balteau. The AIS229 has been designed to do series inspection in a wide variety of industry. Composed of a shielded cabinet, 5 axis manipulator, x-ray generator and tubehead from 160kV to 225kV, a flat panel & much more, the AIS229 is most certainly one of the most multipurpose RTR system available on the market.

Control desk with PC rack 19" & LS1C2 control unit

MECHANICAL DRAWING

Dimensions in millimeters

Equipped 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 **AIS229**

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

Specifications	Units	BALTOMATIC **AIS229-160kV**	BALTOMATIC **AIS229-225kV**
Cabinet size (L x D x H):	mm	**2917 x 2051 x 1977**	**2917 x 2051 x 1977**
Component max. size:	mm	**530 x 530 x 800**	**530 x 530 x 800**
Component max. weight:	kg	**100**	**100**
Door size (L x H):	mm	**1074 x 1852**	**1074 x 1852**
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**
Focal spot / detector distance:	mm	**1000**	**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**
Total weight:	kg	**3260**	**3300**

STANDARD AND OPTIONAL EQUIPMENT

	BALTOMATIC **AIS229-160kV**		BALTOMATIC **AIS229-225kV**	
	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 (300x300mm)	✔		✔	
Control desk with dual monitors (High brightness B&W + Color)	✔		✔	
Constant Potential x-ray generator	✔		✔	
Tubehead	✔		✔	
Detector FPDigit 11-200 / 14 bits / 200µm	✔		✔	
Detector FPDigit 11-200 in 16 bits version		✔		✔
Detector FPDigit 11-200 in «Premium grade» version		✔		✔
Detector FPDigit 11-200 in 127µm 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 11-200		✔		✔

Contact details

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