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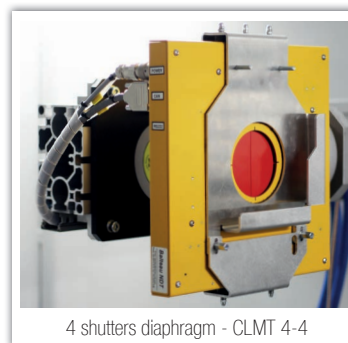
BALTOMATIC **AIS229**

Cabinet size:	**2480 x 1850 x 2285 mm**
Doors opening size:	**1000 x 1800 mm**
Focal spot - Film distance:	**1000 mm**
Component max. size :	**Ø 600 x 1000 mm**
Component max. weight:	**100 kg**
Manipulator:	**5 axis (X, Y, Z, rot & tilt)**
Image acquisition:	**FPDigit 16 bits**
X-ray source:	**XSD160/225/320/450**
Mains (Three phase):	**380 V**
Operating temp.:	**From 10° to 35°C**
X-ray leak*:	**< 0,5 µSv/h**
Duty cycle:	**100 %**

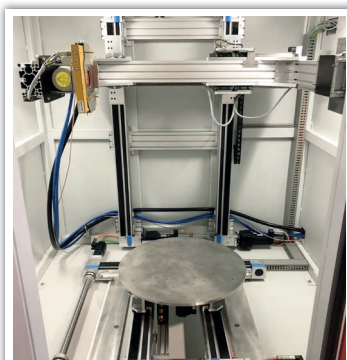* @ 10 cm of the wall, fully protected cabinet.

MAIN FEATURES

- Camera Video-surveillance inside cabinet
- 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
- Motorized 5 axis manipulator (X, Y, Z, rotation & tilt)
- Motorized double door
- Safe shielded cabinet with leakage dose rate <0.5µSv/h
- Constant potential 160kV, 225kV, 320kV and 450kV 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 Ø600 x 1000mm and 100 kg.
- Conformity to the ISO17636-2 standard
- A large panel of options
- 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)
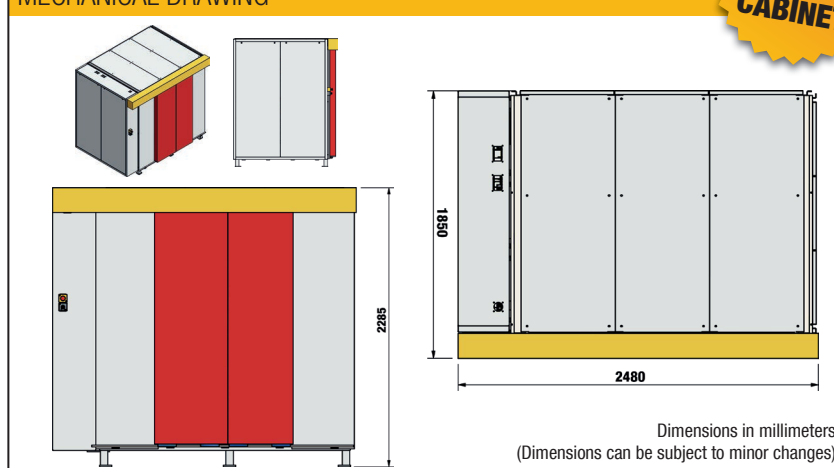- Easy to move with a forklift

| MULTIPURPOSE REAL TIME SYSTEM X-RAY SOLUTION

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 450kV, a flat panel & much more, the AIS229 is most certainly one of the most multipurpose RTR system available on the market. Equipped with the latest version of the

Control desk with PC rack 19" & LS1C2 control unit

MECHANICAL DRAWING

1850

2285

2480

Dimensions in millimeters
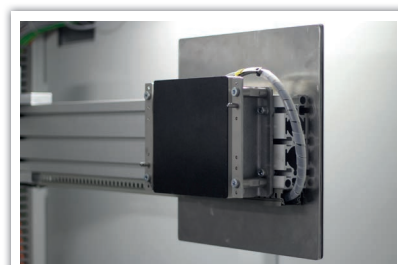(Dimensions can be subject to minor changes)

2019 UPDATED CABINET

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

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

Specifications	Units	AIS229-160kV	AIS229-225kV	AIS229-320kV	AIS229-450kV
Cabinet size (L x D x H):	mm	2480 x 1850 x 2285	2480 x 1850 x 2285	2480 x 1850 x 2285	2480 x 1850 x 2285
Component max. size:	mm	Ø 600 x 1000	Ø 600 x 1000	Ø 600 x 1000	Ø 600 x 1000
Component max. weight:	kg	100	100	100	100
Doors opening size (L x H):	mm	1000 x 1800	1000 x 1800	1000 x 1800	1000 x 1800
X-ray generator:		XSD160/4kW	XSD225/4kW	XSD320/4,5kW	XSD450/4,5kW
Tubehead:	kV	TSD 160 kV	TSD 225 kV	TSD 320 kV	TSD 450 kV
Control desk:		LS1C2 with 19" PC Rack	LS1C2 with 19" PC Rack	LS1C2 with 19" PC Rack	LS1C2 with 19" PC Rack
Focal spot / detector distance:	mm	1000	1000	1000	1000
Mains (Three phase):	V	380	380	380	380
Current consumption:	A / kW	9 A / 16 kW	9 A / 16 kW	9 A / 16 kW	9 A / 16 kW
Operating temperature:	°C	From 10 to 35	From 10 to 35	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	< 0,5 µSv/h	< 0,5 µSv/h
Total weight:	kg	3260	3300	11000	~18000

STANDARD AND OPTIONAL EQUIPMENT

	BALTOMATIC AIS229	
	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 2 color monitors	✔	
Constant Potential x-ray generator	✔	
Tubehead	✔	
IPS012 Image Processing Software	✔	
Automation software (motion automatisation controller)		✔
Phantom for FPDigit		✔
UPS device for computer and monitors		✔
Motorized diaphragm with 4 independent shutters (CLMT4-4)		✔
Motorized adjustable focal spot / detector distance		✔
High brightness B&W monitor for control desk		✔

Contact details

Balteau NDT
Rue Voie de Liège, 12
B-4681 Hermalle Sous Argenteau
Belgium

www.**balteau**.com
balteau@**balteau**.com
Tel. +32 (0) 4 374 75 75
Fax +32 (0) 4 374 75 85

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