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« A REAL TIME SYSTEM DESIGNED FOR PRODUCTION LINE INCLUDING ASSISTED DEFAULT RECOGNITION (ADR) & SORTING IDENTIFICATION TECHNOLOGY »

BALTOMATIC **AIS500**

Cabinet size:	**2188x1880x2387 mm**
Door size:	**562x170 mm**
Focal spot - Film distance:	**1750 mm**
Component max. size :	**448x348x200mm**
Component max. weight:	**80 kg**
Manipulator:	**Conveyors / cabinet**
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

- Production line real time system
- **ADR software module** (Assisted Defect Recognition)
- Conveyor in & conveyor out for production line
- Bar code scanner to automate the inspection process
- 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 shutter for preheating
  Motorized manipulator within cabinet
  Motorized shielded door opening
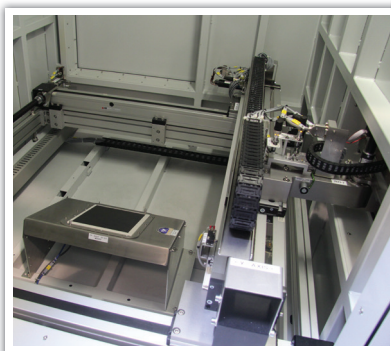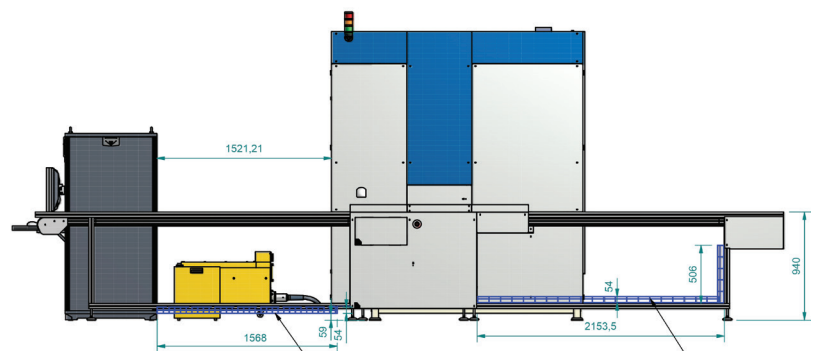 Safe shielded cabinet with leakage dose rate <0.5µSv/h

KEY ADVANTAGES

- **Live identification** of defectuous, unsure and accepted components (Color code)
- Independant analysing desk for components acceptance/rejection
- Real Time System able to inspect a wide panel of components, from small to middle size
- Inspection of components placed on trays to fastened the inspection process
- Customisable solution
- Main switch with removable key avoiding unauthorized operation of the equipment
- Emergency stop buttons
- Digital axis controller
- Very compact cabinet & control desk
- Easy to move with a forklift

PRODUCTION LINE REAL TIME SYSTEM X-RAY SOLUTION

*First real time system developed by Balteau including a **ADR module** and completely made to work on production line. The AIS500 has been designed to do automated inspection in a wide variety of industry for component from small to middle size. thanks to the bar code scanners on both ends, the AIS500 will recognize the component and start the inspection without any action from the end user, automting completely the process.*

MECHANICAL DRAWING

Dimensions in millimeters

Composed of a shielded cabinet, a manipulator, conveyors In & out, an x-ray generator and tubehead from 160kV to 225kV, a flat panel & much more, the AIS500 is the answer to any business who wants to inspection their components from their production line at any stages of the manufacturing.

INTERNATIONAL

- CE
- NFC74-100 generator
- Manufactured under ISO9001

BALTOMATIC AIS500

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

Specifications	Units	BALTOMATIC **AIS500-160kV**	BALTOMATIC **AIS500-225kV**
Cabinet size (L x D x H):	mm	**2188 x 1880 x 2387**	**2188 x 1880 x 2387**
Component max. size:	mm	**448 x 348 x 200**	**448 x 348 x 200**
Component max. weight:	kg	**80**	**80**
Door size (L x H):	mm	**562 x 170**	**562 x 170**
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	**1750**	**1750**
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 **AIS229-160kV**		BALTOMATIC **AIS229-225kV**	
	Standard	*Optional*	*Standard*	*Optional*
Radiation protected shielded cabinet (< 0,5 µSv/h)	✔		✔	
Motorized manipulators (Conveyor In & Out + Inside cabinet)	✔		✔	
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)		✔		✔
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 FPDigit 11-200		✔		✔

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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BALTOMATIC **AIS500**