

BALTOSCOPE PHANTOM



Dimensions: **326 X 275 mm**

Homogeneity measures

Distortion measures

Linearity measures

SNR measures

Sensitivity measures with:

2 zones of holes IQI

+ Measure of CNR

MTF measures with:

Duplex IQI

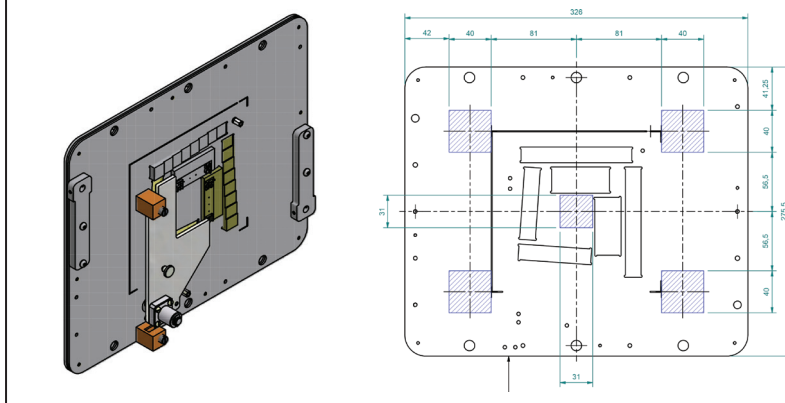
CHARACTERISTICS

- High precision of manufacturing
- Testing software supplied with equipment
- PDF quality report
- Precise measure of homogeneity of detectors such as flat panels
- Precise measure of the distortion up to 0,1mm
- Linearity measurement & SNR
- MTF measurement with IQI duplex
- Sensitivity measurement & CNR

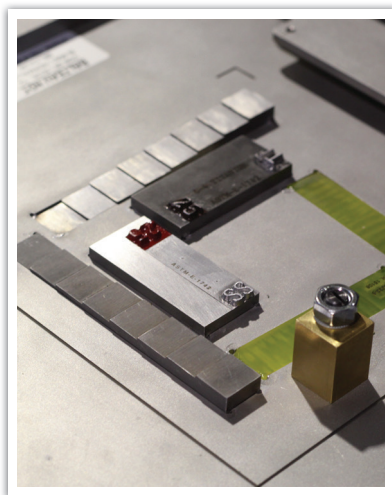
KEY ADVANTAGES

- Flexibility of manufacturing in order to answer specific industry requirements
- Shielded mask to avoid interference with different performance indicators
- Phantom testing software supplied with equipment
- PDF quality report
- Clip in attachment
- Transport case supplied
- Quality and conformity certificate

MECHANICAL DRAWING



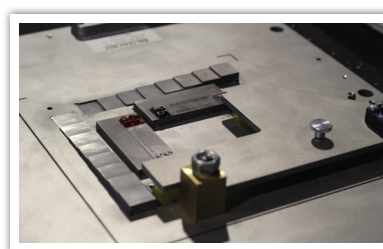
I The Phantom is a tool designed by Balteau NDT to answer the highest quality requirements in digital radiography.



Because of this product, different test can be defined to qualify and maintain qualified an equipment of digital image acquisition such as flat panels. The phantom is made of steel Inox 316 composed of 2 plates of 2mm thick to ensure strength and reliability of the equipment. The 2 plates dimensions are 326 x 275,5 mm and are manufactured to enable inserts of different measuring tools for quality certification purpose.

INTERNATIONAL

- Certified CE
- Manufactured under ISO9001



The phantom software will provide a PDF reporting of the quality supplied by the digital receiver (flat panel). The measurement tools will depend of the industry and so of the specific quality requirement of that industry. If more details are required, do not hesitate to contact Balteau NDT or your local distributor.

Specifications	Units	BALTOSCOPE PHANTOM
Dimensions	mm	326 x 275,5
Weight	kg	3,875
Quality certification		CE manufacturing process
		Quality and performance certificate
		Declaration of conformity
Homogeneity measure		Tolerance of 0.4mm and thickness homogeneity of +/- 0.05mm
Distortion measure		Precision of 0.1mm and 0.1°
Linearity & SNR measure		Precision of 0.1mm
Sensitivity & CNR measure		Precision of 0.2mm
MTF measure		IQI duplex with a 5° tilt

Example of PDF quality report



Système de radiographie digitale robotisée

EQUIPEMENTS

Générateur: XSD225
 Tube: TSD225-0
 Détecteur: FP-Digit-127

DISTORSION

Angle: 90,0°
 Image: 09/02/15 10:03
 113kV - 2,8mA - 500mS

HOMOGENEITE

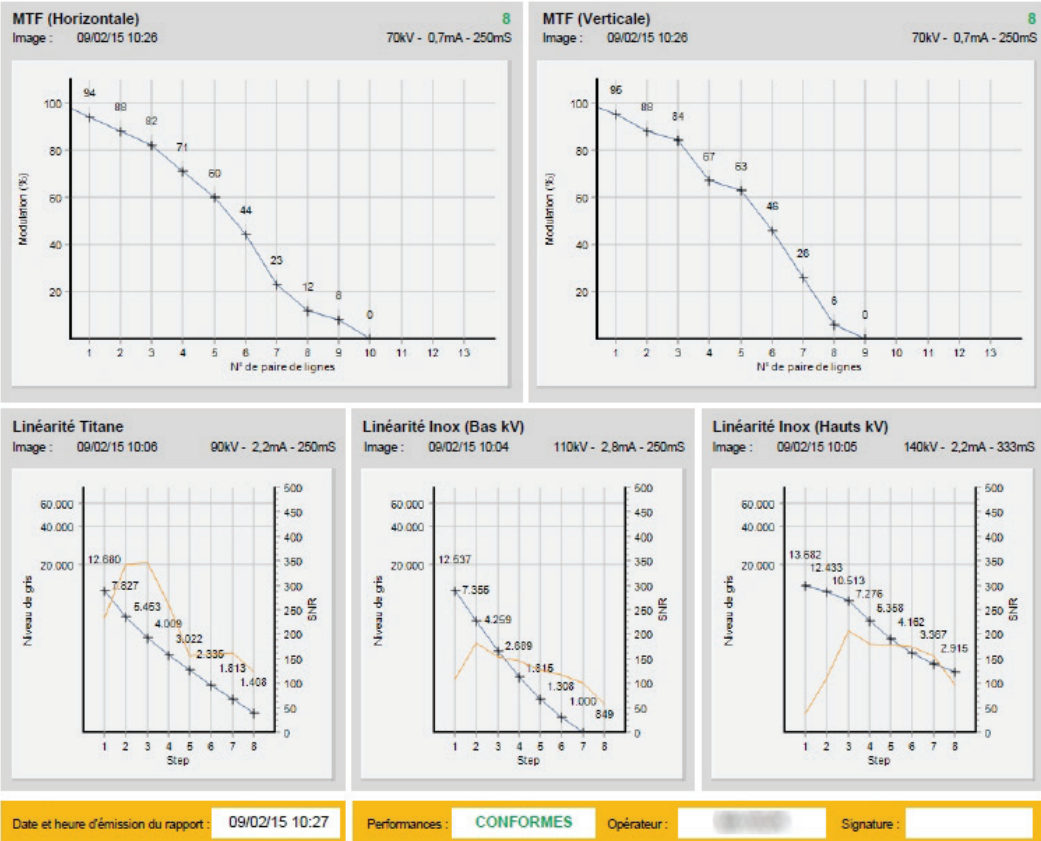
Homogénéité: 94,2%
 Image: 09/02/15 10:04
 90kV - 2,8mA - 250mS

SENSIBILITE TI

CNR: 10,3
 Image: 09/02/15 10:24
 90kV - 2,8mA - 250mS

SENSIBILITE SS

CNR: 9,9
 Image: 09/02/15 10:06
 140kV - 2,2mA - 333mS



Produced by:

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

Distributed by:

