



**2014
NOVELTIES
SEE INSIDE**



*Pulsed waved & constant potential generators,
from 120 to 300 kV and up to 3 mA*

CRAWLERS

■ From Baltospot



The Baltospot for Crawlers series is once again the evidence of the long time expertise of Balteau NDT in building reliable, powerful, robust and highly compatible X-ray equipments used for Pipe inspections.

When buying an equipment from Balteau, you are certain of getting the best quality to price value. Thanks to our 100 years of continuous business under the same name as an independent X-ray manufacturer, you rest assured that you'll get a continuous support all through the very long lifetime of the equipment you purchase.

Balteau NDT offers a complete assembly including the mechanical carrier, the well-known Balteau NDT X-ray generator, the chopper and a range of accessories in order to make the most out of this equipment.

A COMPLETE CRAWLER SYSTEM IS COMPOSED OF:

THE POWER

1

THE GENERATOR UNIT



« Highly compatible, our generators can be adapted to any mechanical carriage of the main manufacturers »

As a major supplier in the crawlers industry, Balteau has designed generators that are specifically designed to be used for the pipeline inspection and on mechanical carriers. The Balteau NDT range of generators for crawlers includes the following product: GFC160C, GFC200C, GFC300C, GCP180C & GCP200C.

« Our generators can be purchased separately and work with any chopper of the main manufacturers »

These generators are amongst the most robust and reliable units on the market. With a very light weight and high performances in terms of steel penetration, this equipment is clearly a reference when you are looking for an efficient, cost saving, easy and profitable pipelines inspection.

THE INTELLIGENCE

2

THE CHOPPER

**NEW
2014**



Entirely renewed in 2014, our new chopper has already become an extremely reliable equipment and contains all features that the previous version was already offering and more.

« As our generators, Balteau's chopper can be adapted to any mechanical carriage of the main manufacturers »

Being the power converter between the batteries and the generator, the CF3 is an intelligent regulator which will offer the most stable and constant output all along exposures.

The CF3 and its CFR allow you to set all the parameters for your X-ray exposure and retrieve memory of all generators used before. The CFR also holds memory on the preheating time by retrieving the data stored in the CF3.

THE ROBUSTNESS

3

THE MECHANICAL CARRIAGE



Depending on your needs different type of carrier can be chosen. This motorized battery powered vehicle is an essential part of the equipment. This is the reason why, this has to be particularly robust in order to face harsh environment and intensive use. They can also be preprogrammed to react to various orders given from the outside of the pipe by either a Radioactive source or a non Isotope system. More than being active on the crawler market for many years, Balteau NDT has become an essential and reliable player, with carriers to be used for all size of pipes (6"-16" / 10"-60" / 24"-72").

THE ENERGY

4

THE BATTERIES



A specific process has been developed on the CF3 to improve the operating possibilities of the battery pack, so much more exposure can be taken before the battery is discharged. This also improves the battery lifetime by a better management of discharge cycles. A 220 V optional power box allows you to use your x-ray generator on mains or with a power generator without the batteries of its mechanical carrier or for the preheating of the generator (tube).

« At least one full shift can be covered by only one battery »

AN EASY WAY TO FIND WHICH GENERATOR SUITS WHICH CRAWLER VEHICLE...

BALTOSPOT FOR CRAWLER EQUIPMENT



BALTOSPOT GCP180C & 200C



High voltage range:

GCP180C	GCP200C
120 to 180 kV	120 to 200 kV
Approx. tube current: 2,3 mA	
Beam angle: 360° x 45°	
Focal spot size (IEC336): 5 X 0,6	
Control unit: Built-in chopper	
Anode cooling: Forced air	
Duty cycle: 50%	
Steel penetration at max (*): 26 mm	
Operating temperature: Max. 70°C	
Weight (without rings): 16,7 kg	

*FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=1min.

BALTOSPOT GFC160C



High voltage range: 112 to 160 kV
Approx. tube current: 3 mA
Beam angle: 360° x 45°
Focal spot size (IEC336): 4 X 0,9
Control unit: BNDT chopper or others
Anode cooling: Air
Duty cycle: 50%
Steel penetration at max (*): 12,5 mm
Operating temperature: -10 to 40°C
Weight (without rings): 11 kg

*FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.

BALTOSPOT GFC200C



High voltage range: 140 to 200 kV
Approx. tube current: 3 mA
Beam angle: 360° x 45°
Focal spot size (IEC336): 4 X 1,2
Control unit: BNDT chopper or others
Anode cooling: Air
Duty cycle: 50%
Steel penetration at max (*): 24 mm
Operating temperature: -10 to 40°C
Weight (without rings): 20 kg

*FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.

BALTOSPOT GFC300C



High voltage range: 150 to 300 kV
Approx. tube current: 3 mA
Beam angle: 360° x 45°
Focal spot size (IEC336): 4 X 1,3
Control unit: BNDT chopper or others
Anode cooling: Air
Duty cycle: 50%
Steel penetration at max (*): 44 mm
Operating temperature: -10 to 40°C
Weight (without rings): 23,5 kg

*FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.

ACCESSORIES



A wide range of accessories is available to increase convenience of use, security and efficiency on field. Units such as the Recovery vehicle, the non isotope tracker system, the reserve battery pack allowing the operator to make the most out of its equipment and to be able to face different type of situation and environment.

The AVARA (Audible & Visible Automatic radiation Alert) is the ONE tool the operator needs on field to maximize security. With a constant and accurate monitoring of the radiation level in a controlled area, this unit warns the operator and the people around.

Please feel free to contact our team via sales@balteau-ndt.com for more information on this range of products.



Balteau in words...

Balteau is a company based and established in Belgium since 1906. The activity of the power transformers successfully turned into the X-ray business in 1932. Years after years Balteau has affirmed its leadership leading the technology and setting the foundation of modern X-ray technologies. The first company ever to reach 200, 300 and 400 kV in the past, Balteau has today brought to the industry new standards that are consciously safety oriented to allow users to operate equipment safer and easier. Balteau is also greatly caring about environment and always uses top grade and specification materials to ensure that the efficiency of the equipment will be at the top of what is technologically achievable.

On the service and spares side, Balteau is providing the buyer with an exceptional and unequalled commitment of continuous service all through the life cycle of the product.

Qualified engineers and an extensive worldwide network dedicated to serve our customers is actively participating to the success of our brand and to your possibility of always getting, from the selection of your equipment to its follow up in service, a qualified and professional support.

Balteau in numbers...

Balteau has a very long established network in more than 40 countries, some of our agencies are of second generation proving they rely on the quality of our products and that they are totally committed to their business in NDT.

Balteau has produced more than 15.000 generators spread in more than 60 countries. We have 4 ranges of products and are the only manufacturer in the world to provide from Crawlers to Systems built into the same factory.

Balteau in names...

Patented names and commercial brandings are:

BALTOSPOT (Portable and Crawlers X-ray equipment)

- LLX (Constant potential portable equipment)
- GFC (Panoramic portable equipment)
- CERAM (Pulsed frequency portable equipment)
- HAND X (Radio remote control for portable X-ray)

BALTOGRAPH (Stationary X-ray equipment)

- XSD (HF CP X mobile and stationary X-ray equipment – High power)
- CLD (HF CP X mobile and stationary X-ray equipment – Low power)

BALTOSCOPE (Complete suite of aadioscopic software and digital imaging)

AIS & Systems (Standard & custom made)

Produced by

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