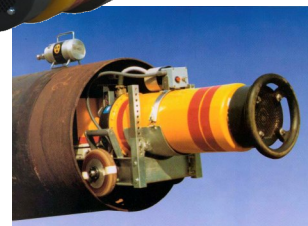


## Full Crawler Equipment

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 bought.

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.



### ***GFC, GCP generators, the Power...***

A full X-ray equipment is made up of a generator, a chopper, a battery driven mechanical carrier and accessories.

The Balteau NDT range of generators for crawlers includes the following product: GFC160C, GFC200C, GFC300C and GCP180C.

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. Highly compatible, these generators can be adapted to any the mechanical carrier of the main manufacturer.

### ***The Chopper, the Intelligence...***

A generator needs a reliable, flexible and stable power supply for working. With a Crawler, this power supply is brought by a battery set embarked in the mechanical carrier. Balteau NDT has developed a CF3 chopper, which is the result of the technology evolution that is applicable in electronics nowadays.

The CF3 is the power converter (Chopper) between the batteries and the Generator. However the CF3 is also an intelligent regulator which will be able to give out of your batteries the

most stable and constant output all along your exposures.

This new model has also been developed to be used with the major brands of Crawler Manufactures.

The CF3 features a separate set up and remote control device (CFR) which allows you to manage parameters and preheating functions.

Choppers of the main crawler manufacturers can of course be included within the equipment.

### ***The mechanical carrier, the Robustness...***

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.

### ***The Accessories, the Convenience...***

Different accessories such as Audible and Visible Radiation alert are available in order to improve security and comfort of use. These accessories are optional so you can adapt your equipment according to your needs and requirements.

## GF/GCP Generators

These generators have been manufactured for years and have been in used worldwide even in very harsh environment. Thanks to different elements such as their sturdy construction, their low consumption which improve the lifetime of the battery and the endurance of the material, and many others aspects, it is now proven that the Balteau NDT generators for crawlers are the best choice that can be made when taking all elements that matters into account.



Baltospot Generators for Crawler					
Electrical		GFC160C	GFC200C	GFC300C	GCP180C
High voltage range	kV	90 - 160	130 - 200	150 - 300	120-180 CP
Approx. tube output*	mA	5	5	5	2.3
Insulation		SF6 gas	SF6 gas	SF6 gas	Oil
Mains DC supply	V	72 to 120	72 to 130	72 to 130	43 to 60
Maximum current	A	4,5	10	12	10
Mains AC Compatible**	V	220	220	200	N/A
* Chopper dependent					
** with optional power box					
X-ray tube					
Beam angle		360° x 40°	360° x 45°	360° x 45°	360° x 45°
Focal spot size (IEC336)		4 x 0,9	4 x 1,2	4 x 1,3	5 x 0,6
Inherent filtration	mm	7 Al	9 Al	9 Al	3 Al + 2 Glass
Diameter	inches	10	10	10	6
Weight	kg	11	20	23	14
Performances					
Duty Cycle (at 40°C temp.)	%	100	100	100	100
Steel penetration	mm	11*	24*	46*	30*

\* D = 2 ; FFD = 700 mm ; Film D7 ; Lead screen ; Exposure time = 5 min

### Optional accessory

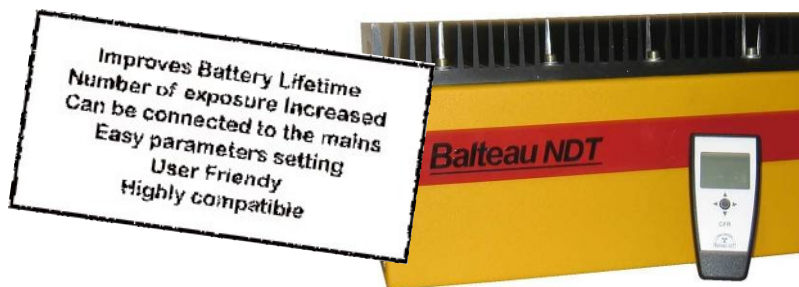
Axial connector

## CF3 Chopper

The CF3 and its remote control device (CFR) allows you to set all the parameters needed to start, set and manage your X-ray exposure. A memory of all the generators used before brings you a useful information of what has been done previously. Reliability and set up of your parameters become much more easy. The CFR also hold memory on the required preheating time by retrieving all the data stored in the CF3.

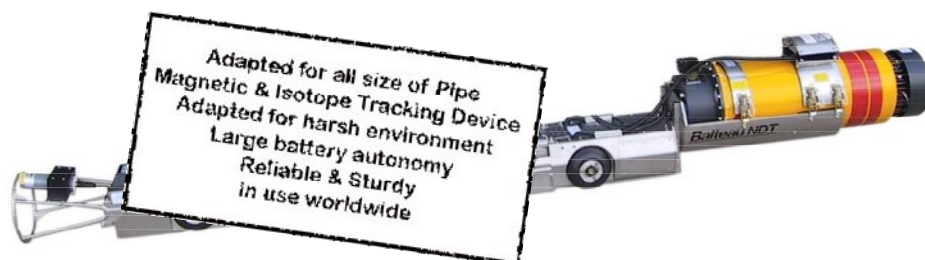
A 220v optional power box exists which allows you to use your Balteau X-ray generator on Mains or with a Power generator without the batteries of its mechanical carrier or for the preheating of the generator (tube).

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



## Mechanical Carriers

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"-18" / 10"-60" / 24"-72), the Balteau NDT offer includes mechanical carriers with Magnetic or Isotope tracking/control device with a large battery autonomy. At least one full shift can be covered by only one battery. This very sturdy carrier, thanks to its robust construction (very stable wheels axes) and the well chosen materials, can be used in harsh environments including offshore application (e.g: lay barge,...).



## 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 allow 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 & Visibe Automatic radiation Alert) is a 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 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 13.000 generators spread in more than 60 countries. We have 3 ranges of products and are the only manufacturer in the world to provide from Crawlers to Systems built into the same factory.

## Balteau NDT in names...

Patented names and commercial brandings are:

BALTOSPOT (Portable and Crawlers X-ray 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 (Radioscopic and Digital imaging)

AIS & Systems (Custom made)

## Producer

### **Balteau NDT sa**

Voie de Liège, 12  
B-4681 Hermalle Sous Argenteau  
BELGIUM

Tel.: +32 4 374 75 75

Fax: +32 4 374 75 85

E-mail: [balteau@balteau-ndt.com](mailto:balteau@balteau-ndt.com)

Website: [www.balteau.com](http://www.balteau.com)

## Distributor