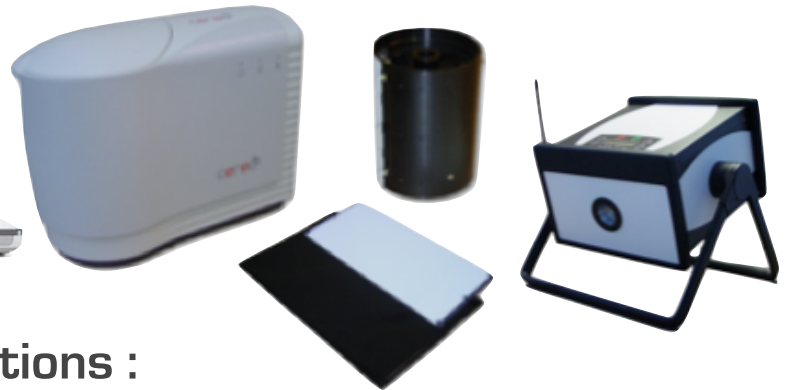


CeReo

Complete portable X-ray CR solution for INTELLIGENCE inspections



Applications :

Inspections of anything, anywhere, at anytime according to the situation

Customs

- Inspections of parcels, cars (door, trunk, tires, engine parts, ...), pieces of luggage for the search of illegal materials and equipments or in the frame of counter-smuggling

Counter-surveillance

- Inspections of walls and furnitures for the search of bugs and miniature cameras

Forensic

- X-ray of dead tissues and objects on a crime scene or in laboratories



Key features :

Portability

- X-ray pictures anywhere

Quick set-up

- X-ray pictures at anytime

Digital

- Very easy set-up and use thanks to the automatic real time filter magnifier and to the wide contrast latitude of digital technologies
 - Userfriendly **Maestro** software
 - Direct results
 - Post processing
 - Tiff & jpg format
 - Easy archive & reporting
 - No more consumables (films and chemistry) and no more dark room needed.

Image quality

- High resolution (down to 21 μm) and high contrast (16 bits)

Large kV range

- Possibility to X-ray a large range of different objects and materials, from light materials up to 70 mm of Fe @ 200 kV

Thin & flexible Image plate

- Possibility to wrap the film around the object
 - Possibility to slide the image plate between 2 objects

Affordable

- High specifications but low investment costs

X-ray source compatibility

- The **CeReO** works with the **GemX**, with the Golden and with any other X-ray source



CeReO image plate

Image plate size :

Environmental operating conditions :

- Temperature :
- Humidity :

- 20 x 43 cm (8 x 17 inch)

- 15 to 34°C (59° to 93° F)
- 30% to 80%, non-condensing

Resolution :

Grey scale :

Scanning speed :

Image display time :

- Resolution of 170 µm :
- Resolution of 85 µm :
- Resolution of 42 µm :
- Resolution of 21 µm (option) :

- (21), 42, 85, 170 µm
- 16 bits
- Up to 40 image plates/h

Weight :

Sizes :

Power supply :

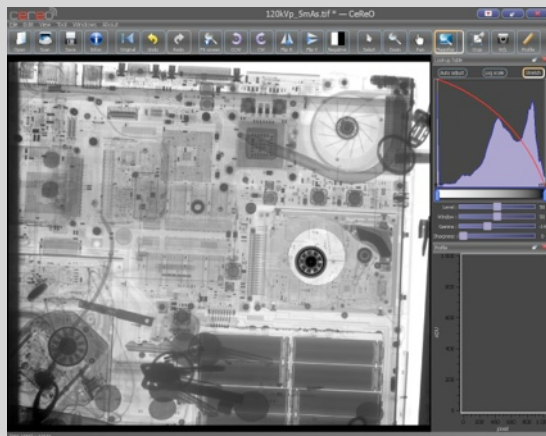
Environmental operating conditions :

- Temperature :
- Humidity :

- ± 50s
- ± 100s
- ± 200s
- ± 400s
- 16 kg (35 lbs)
- 39.3 cm x 49.4 cm x 27.5 cm
- Universal (100-240 VAC, 50/60 Hz)

- Temperature : 0° to 40° C (32° to 104° F)
- Humidity : 6% to 94%, non-condensing

Maestro SOFTWARE



Maestro Software

Access to the LUT (look-up-table)

Real time filter magnifier

Zoom in, zoom out & screen adjustment

Black & white reverse

- Picture rotation
- Horizontal / vertical flip
- Cropping
- Measurement / profile

Any language available on request

(to be confirmed by X-RIS)

X-RIS is opened to discuss the development of new software tools

CeReO workstation

Type :

Screen size :

Processor :

Ram :

Windows :

- Laptop
- Screen 15.6" or better
- Dual core 32-bit or 64-bit processor + integrated graphics equ.
- RAM DDR 3 Go or better
- Windows XP 32-bit or Windows 7 (32-bit or 64-bit)

CeReO options

Additional image plates. Size :

Image plate protective envelope

IP66 Carrying case

GemX portable CP X-ray generators :

- Wireless remote control :
- Battery (30 min of X-ray) or mains :
- Voltage range :
- Current :
- Mini focal spot :
- Window :
- Insulation :
- Penetration :
- All-terrain 360° handle :
- Accessories :

Dosimeters

- 20 x 43 cm (8 x 17 inch)

GemX-160 (14 kg)

- Yes
- Yes
- 20 - 160 kV
- 0.1 - 2 mA
- 0.5 x 0.7 mm
- Be or Al
- Oil (2h of X-ray/day)
- Up to 36 mm of Fe
- Yes
- Tripod, leadcap, laser pointer, ...

GemX-200 (20 kg)

- Yes
- Yes
- 50 - 200 kV
- 0.1 - 1.5 mA
- 0.5 x 0.7 mm
- Al
- Oil (3h of X-ray/day)
- > 70 mm of Fe
- Yes
- Tripod, leadcap, laser pointer, ...



X-RIS (X-ray Imaging Solutions)

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