

Based at Dison in Belgium, Teledyne ICM provides ultralight and efficient Constant Potential portable X-ray generators and digital X-Ray scanners for security, including explosive ordnance disposal (EOD) and non-destructive testing (NDT) applications. Its expertise is used throughout a wide range of applications – from the quick X-ray scanning of suspected IEDs to the inspections of lost baggage in airports and the scanning of car tanks at border controls.



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CBNW Xplosive: Could you provide a short history of the company – and how it became involved in the market?

LC: Teledyne ICM, previously ICM X-ray, is a Belgian company founded in 1993 by two engineers specializing in X-rays. They first got involved in the NDT industry, which deals with industrial inspections.

After a few years in the business, the company decided to branch out into the security market that was in need of a new portable technology dedicated to detecting hazardous

items, drugs, and potential threats. In 2016, ICM were acquired by the American company, Teledyne Technology and became Teledyne ICM.

CBNW Xplosive: How many staff does Teledyne employ and how many are involved in research and development?

LC: We employ 49 persons in Belgium, 15 of which are with the R&D department. We also have people working in sales, marketing, administration, and about 25 highly



CBNW DEPUTY EDITOR DAVID OLIVER TALKS TO LAURENT COLSON OF LEADING X-RAY SCANNER COMPANY TELEDYNE ICM

qualified workers in the production department.

CBNW Xplosive: Can you explain the different explosive components marketed under your main brands?

LC: We manufacture portable X-ray systems. These portable systems are composed of an X-ray source, a flat pane and a rugged tablet. Once you decide to inspect an item, the operator places the source and the panel on each side of the object before starting the process of

inspection using the software on the tablet.

Currently we offer two distinctive systems, the FLATSCAN 30XS and the FLATSCAN 15XS. Those two products vary in size. One is 76 cm (30 in) across while the other is 38 cm (15 in).

Being able to compact the Constant Potential X-Ray technology into a 45.5-cm (18-in) battery-powered generator has been one of the ultimate tests for our R&D department! With ease of use for the operator in mind, the design of the CP120B and CP160B was quite

straightforward and focused on the end user. However, fitting this state-of-the-art X-ray source into a safe and powerful generator has been one of the most complex puzzles our engineers have had to face since ICM's inception.

CBNW Xplosive: What are the advantages of your products over other products on the market?

LC: We are the only company that develops, designs, and manufactures the complete system. All the other

CONSTANT POTENTIAL

Bomb squads use Teledyne ICM portable X-ray systems in the Middle East.

competitors are integrators who buy separate parts and assemble them, which is not ideal for after-sales service procedures and production processes. Teledyne ICM on the other hand is a one-stop solution and able to deliver tailor-made equipment.

Moreover, we have the largest portable X-ray panel on the market which operators greatly appreciate – because such an increased size allows quicker inspections of larger items.

The FLATSCAN 15XS portable X-ray system is used with the Teledyne ICM CP160B portable battery directional unit.



An EOD operator uses the Teledyne ICM X-ray system to identify a suspect package.

CBNW Xplosive: Do you offer training in the use of your products to customers?

LC: Of course. We never sell any piece of equipment without giving advanced training to the end users of our products. Yet, our solutions are designed to be as user-friendly as possible, resulting in very intuitive use.

throughout the world increasingly need security measures effectively capable of assessing the level of threat they face. For this reason, I believe the event industry will be one of the top growth markets in the coming years. ✨

This colour image was produced by the FLATSCAN X-ray system.



CBNW Xplosive: Where do you see the greatest potential growth sector for your product sector?

All the important sporting events currently taking place

CBNW Xplosive: What percentage of your business is in the military/paramilitary sector?

LC: Since we are also involved in the non-destructive testing market, the security/defence business accounts for about half of our activity.

CBNW Xplosive: Who are your main customers in the military/para-military sector?

We work mainly with EOD/IED and bomb squad teams. However, we also have customers in police forces, border patrols, and other law enforcement agencies. Teledyne ICM is an historic supplier to the DOVO (Belgian Bomb Disposal Squad).

These military personnel are using the FLATSCAN 30XS X-ray system at the National Training Centre at Vught in the Netherlands.

