SECURITY X-RAY SCREENING SYSTEMS

LV LINEV SYSTEMS

PEOPLE
SCREENING

PARCEL, BAGGAGE
AND SMALL CARGO
INSPECTION

CARGO
AND VEHICLE
INSPECTION

OUR MISSION:

«TO EXCEED CUSTOMER EXPECTATIONS AND TO STAY AHEAD OF THE COMPETITION, WITH A FOCUS OF DRIVING FORWARD FOR SCIENTIFIC TRUTH»

LINEV Group is a privately owned group of companies that specializes in the supply of class-leading X-ray systems for the Security, Medical and NDT markets.

The group is a unique ecosystem made up of international companies, boasting over 30 years of experience within the X-ray technology industry, providing world class, quality products and solutions, supplied to all corners of the world.

A network of inter-connected companies, with the capabilities of sharing global expertise and skill sets, whilst working from a common platform. The innovative ecosystem allows for a unified focus towards our drive to scientific truth.

The unique approach of our employees is based on fast and flexible research & development, as well as working with a smart manufacturing systems process. This allows us to create the highest value for the market and exceed customer expectations.
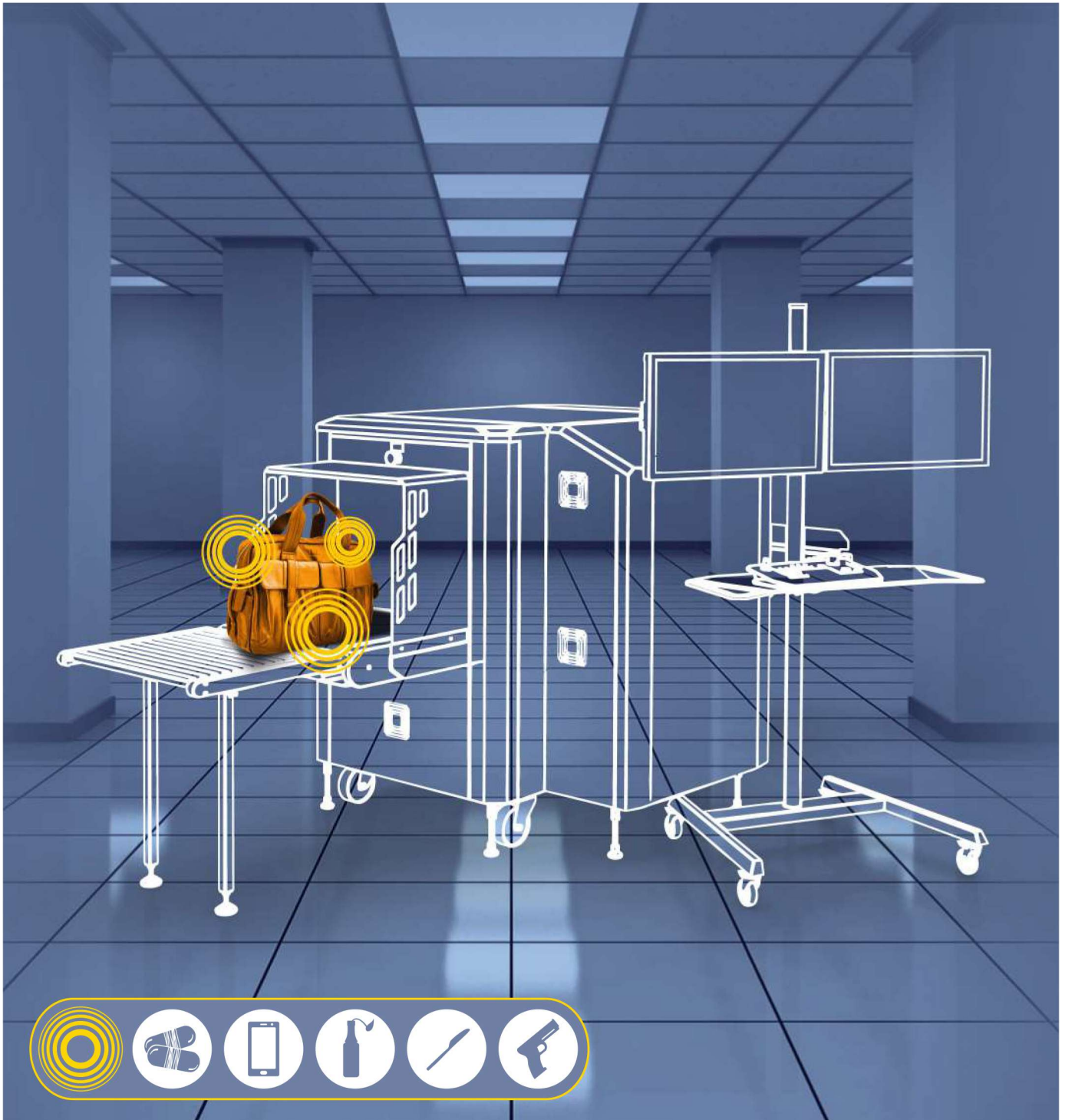
Following the ambition to global expansion our companies have undergone a restructuring process transforming into a LINEV Systems global network represented by parent companies: LINEV Group Ltd and LINEV Group MENA. Giving us the global reach to better serve our markets.

This important phase solidifies our evolvement into a sustainable ecosystem enterprise, which will allow us to better serve our customers, and to meet global and diverse demands, based on current and anticipated future supply challenges, and ultimately carry the capacity to be instantly adaptive to innovative high-tech change in the modern world.

As a leader in checkpoint security, medical and NDT solutions, LINEV Systems will continue to establish industry standards and best practices for the use of our technologies while expanding on the success stories and results our products produce across the globe.

Customer focused approach combined with carefully designed innovations will remain our core value. We are now united for innovation under the LINEV Systems umbrella to better serve the world.

-UNITED FOR INNOVATION-

BAGGAGE SCREENING

JAILS AND PRISONS

SECURITY CHECKPOINTS

BORDER CROSSINGS

MILITARY FACILITIES

CRITICAL INFRASTRUCTURE

AIRPORTS

MINES

VIP RESIDENCES

PUBLIC EVENTS AND VENUES

AUTOMATIC DETECTION SOFTWARE

CUTTING-EDGE ARTIFICIAL INTELLIGENCE FOR X-RAY THREAT DETECTION
A-EYE

FEATURES:
- Automated detection of a wide range of threats
- High detection probability
- Low false alarm rate
- Developed using real threat objects (AI Algorithm based and tested on DSA Detection Threat Library)
- Supports inexperienced operators
- High speed automated security checkpoint screening

LINEV Group proprietary software A-EYE is an Artificial Intelligence system intended for the automated identification of firearms, firearms components, ammunition, knives and Pyrotechnics. The detection algorithm is an embedded part of the BV product line software.

The algorithm is built using real threat objects that could be expected at events and locations such as theme parks, concerts, sporting events, schools, or other venues which may require security checkpoints. The A-EYE algorithm considers diverse visual backgrounds in baggage consisting of variously dense packed items in any bag type.

The A-EYE algorithm increases threat detection capabilities for operators with any level of experience. Threats are visually highlighted on the screen by coloured boxes with category identification. Optionally, the software allows the system to automatically stop the conveyor when a threat is detected.

BENEFITS
OPERATIONAL COSTS OPTIMISATION

- Increases Operator's efficiency and detection probability
- Streamlined process provides better personal experience
- Minimises Operator's errors through adding an "extra pair of eyes" for X-ray image interpretation

PYROTECHNICS
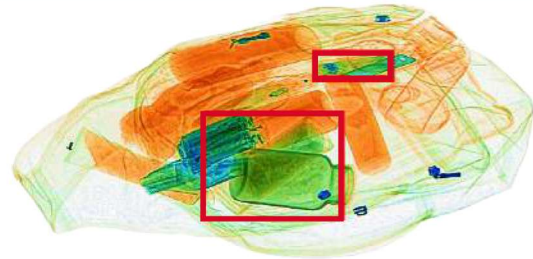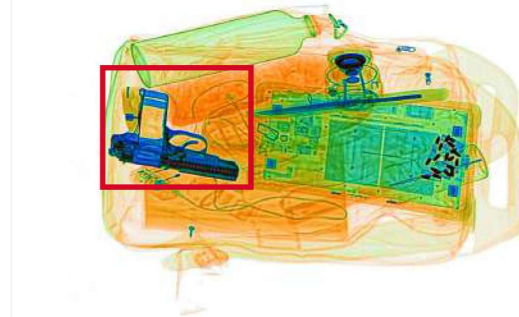
Ideal for sporting events, and public events, our advanced algorithms can recognise and detect flares and smoke bombs even in cluttered baggage

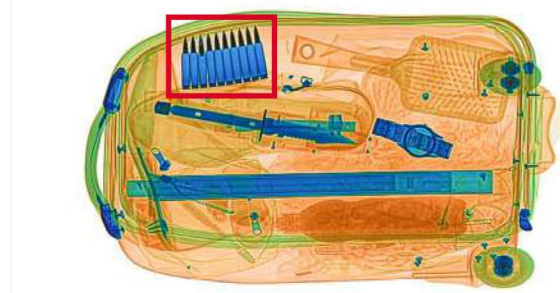#### KNIVES
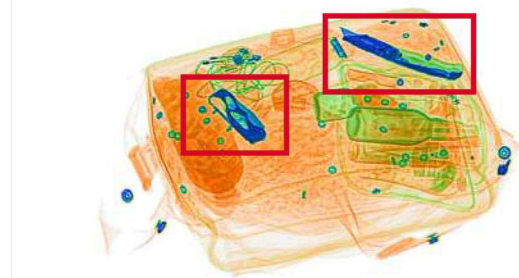
Combi knives, Jack-knives folded/unfolded/ partially folded, Swiss army knife, Lexan's knife, multitools, kitchen knives from 2.36"
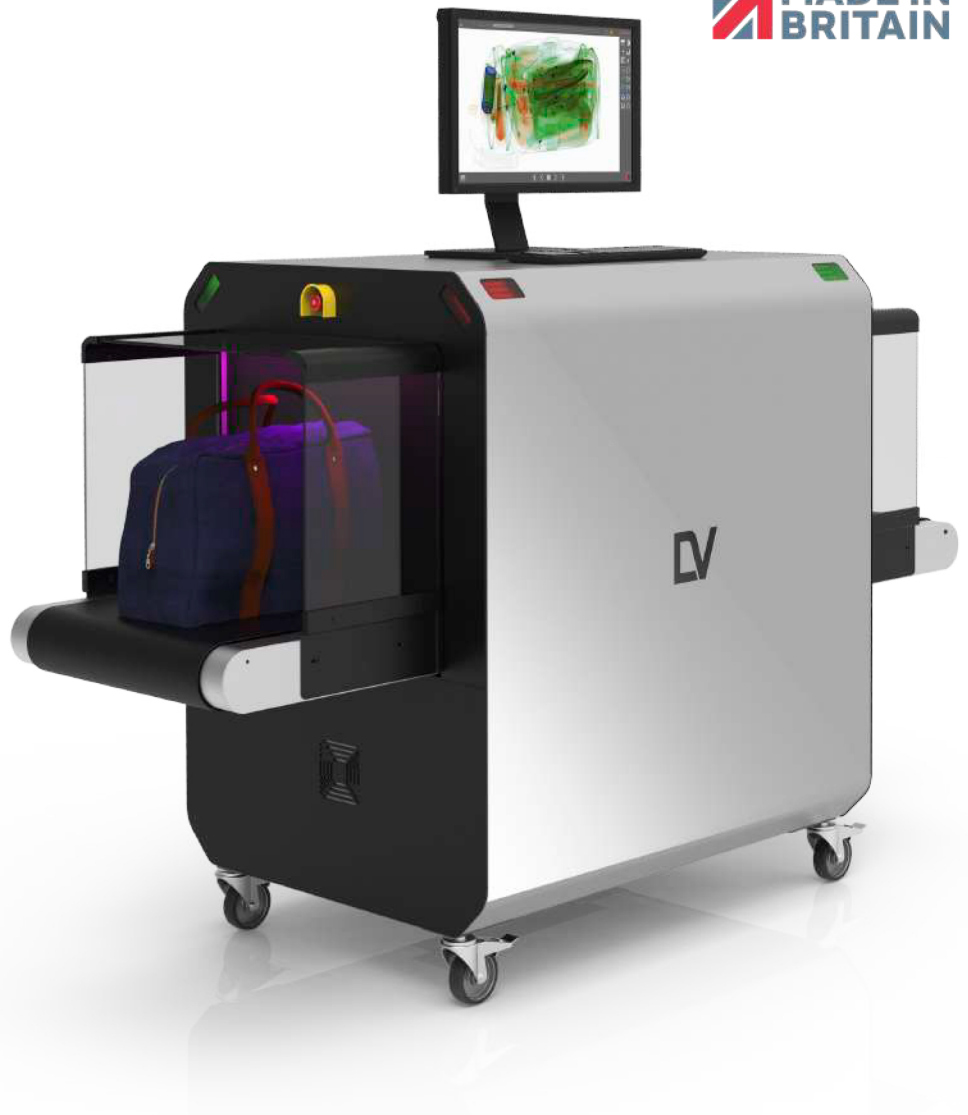
HANDGUNS

Assembled guns, gun parts, shotguns and submachine guns

AMMUNITION

Empty or loaded clips and magazines for automatic guns and revolvers, ammo of various calibers in bulk

SPECIAL INSPECTION SYSTEMS

MADE IN BRITAIN

PROTEUS

A Quantum Step Forward In System Availability And Innovation

FEATURES

Modular Architecture

Colour change

Telemetry (predictive analytics)

Artificial Intelligence software system for automated detection of firearms, knives and ammunition

Automatic identification of suspicious objects (drugs, explosives)

Availability of 7, 3 colour and infinite colour palettes of images

The fault-tolerant configuration of the acquisition/ analysis workstation

Quick start and shutdown

Real-time self-diagnostics

The PROTEUS 6045 is a high-resolution, single view X-ray baggage inspection system with the ability to automatically detect prohibited objects and threats.

The tunnel with a width of 610 mm and a height of 450 mm is optimal for inspection of baggage, bags, hand luggage and parcels. The System may be used at inspection points of critical infrastructure facilities, law enforcement and security agencies, customs, border guards, hotels, event centres, educational institutions, sports arenas, and other places where reliable and uninterrupted operation of inspection systems is required.

The PROTEUS 6045 enables the identification of weapons, explosives, drugs and any other dangerous or prohibited items. Unique colour palettes and touch control provide an exceptional level of operator efficiency.

SPECIAL INSPECTION SYSTEMS

US PAT # 9,709,694 B2

BV M.A.X.

Mattress and personal kit inspection

A compact and mobile conveyor type X-ray screening system with 870mm x 240mm tunnel size. System was specially developed to be used in prisons and detention centres for the inspection of mattresses and inmates' personal belongings. Due to its mobile flexibility and tunnel dimensions, it allows the system to be used for other purposes, like NDT screening and more.

OBJECTS SUITABLY INSPECTED BY BV M.A.X:

• Prison mattresses
• Personal belongings
• Vehicle parts (doors, etc)
• Electronic devices (TV, monitors, laptops, etc)
• Packages, parcels and letters
• Paintings and art objects
• Other flat objects of different purpose

MAIN ADVANTAGES:

• Compact and mobile product
• Cost effective solution
• Accurate object inspection
• Material discrimination

BV STREAM

Customer-focused solution for high-traffic checkpoints

The biggest challenge faced with security checkpoints that require fast and efficient screening is slow throughput. This costs time and money. The BV STREAM has been designed with this in mind. Capable of screening personal belongings and bags using powerful AI detection software and only alerting the operator when there is a threat detected it keeps the flow and speed of screening as it should be. This highly versatile scanner can also be easily customised to meet the users environment or theme.
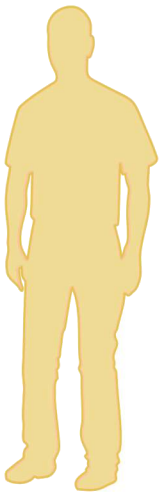
ALL TUNNEL SIZES

BV 5030CA

BV 5030

BV 6045

BV 6045DV

BV 6080

BV 7080DV

BV 100100TB

BV 100100DV

BV 160165/160180
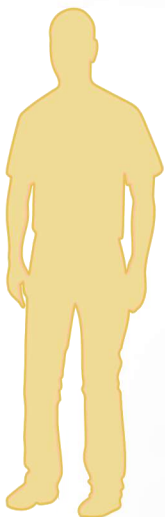
BV series **7080** tunnel size **DV** dual view

MOBILE SCREENING SYSTEMS

JAILS AND PRISONS	MILITARY FACILITIES	MINES
SECURITY CHECKPOINTS	CRITICAL INFRASTRUCTURE	VIP RESIDENCES
BORDER CROSSINGS	AIRPORTS	PUBLIC EVENTS AND VENUES

BV 6080M

BV 100100M / BV 100100DVM

FEATURES:

- Bi-directional scanning
- Single view or dual view
- Large tunnel sizes
- Can be fitted to various types of security vans

OPTIONS:

- Compatible with various vehicle models
- Registration software
- Passport reader
- CCTV
- Operator room climate control
- Hydraulic stabilisation system
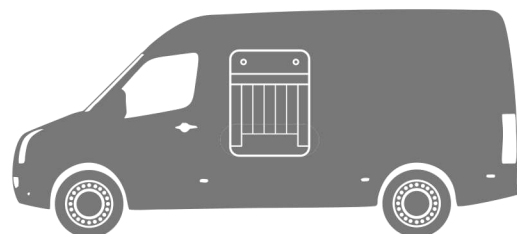- Folding awnings
- Radiation monitor

MOST COMMON MODELS USED:
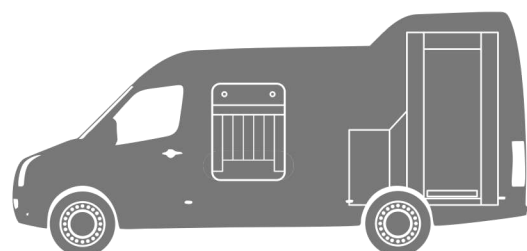
CONPASS
X-ray body scanner

BV baggage
X-ray scanner

BV baggage
X-ray scanner

+

CONPASS
X-ray body scanner

MOBILE PEOPLE AND BAGGAGE SCREENING

CONPASS X-ray body scanner

MIP CONPASS
Mobile people screening

• Security inspection point that comprises of a full body X-ray security system and operator workstation.

• Designed especially for it's flexibility and is perfectly suited for use by law enforcement agencies and event security managers.

• Has an autonomous power supply (no infrastructure required).

• Operates well in any type of weather conditions.

BV baggage X-ray scanner
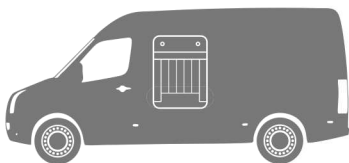
MIP BV
Mobile baggage screening

• An effective temporary checkpoint inspection solution for screening of personal belongings, hand luggage and small cargo.

• BV 6080M, BV 100100M and Dual View BV 100100DVM baggage systems are available for all MIP BV and MIP CONPASS BV van series.
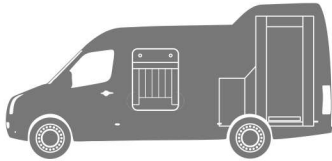
BV baggage X-ray scanner + **CONPASS X-ray body scanner**

MIP CONPASS BV

Mobile people and baggage screening

• A van based security inspection point that comprises of a full body X-ray security system, baggage scanner and operator's workstation. MIP CONPASS BV offers a sophisticated screening solution with a large tunnel size, providing fast, efficient and hassle free security screening anywhere where a van can go.

• Flexible design perfectly suited for use by law enforcement agencies and event security managers
• Operates well in any type of weather conditions and under a wide range of ambient temperature and humidity levels.

MIP-T CONPASS

A trailer-based solution