





About Us

Brosis International are manufacturers, exporters, installers and service providers of certified high security Crash Tested Barriers & area scan UVSS. With comprehensive experience since 2005, we offer complete solutions to secure entrance from one source against any threat.

"We **design and manufacture** a range of premises security & scanning solutions that protect National and International Critical Infrastructure, Corporate Houses and Public Places, Private Buildings from perimeter security and scanning threats".

We have a qualified and committed staff who takes of their roles such as Production, Research & Development, Supply Chain Management, Pre-Sales Activities, Sales & Marketing, Project Planning & Execution, After handover services during warranty and CAMCs/AMCs

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UNDER VEHICLE SURVEILLANCE SYSTEM (UVSS / UVIS)



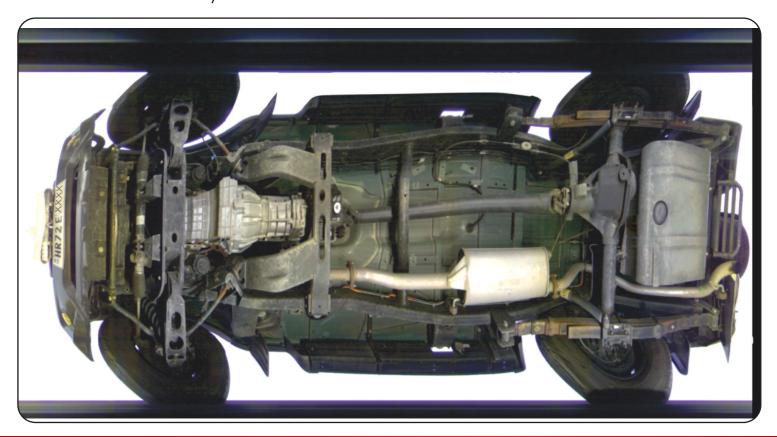
Under Vehicle Surveillance System is used for automatic foreign object detection which is a combination of number of different elements such as triggering element, scanning element, array of LED lights, Number plate capture camera, Driver image capture camera, Scene view capture camera, network interface controller and computer cum server element. All these elements are integrated together using ethernet and they collectively form a unit called UVSS.

Scanner Cameras capture images of the undercarriage of the vehicle for manual or automated visual inspection by the operator and has been designed for complete reliability, operating continuously 24 hours a day, 7 days a week.

Under Vehicle Surveillance Systems are known by the acronyms UVI (Under-Vehicle Inspection), UVIS (Under-Vehicle Inspection Systems), AUVIS (Automated Under-Vehicle Inspection Systems), MUVIS (Mobile Under-Vehicle Inspection Systems), and UVSS (Under Vehicle Scanning System)

Why Brosis?

- Full high resolution colour imaging system.
- Automatic foreign object detection and highlight the same in red ring.
- Easy to operate GUI (Graphic User Interface).
- Traffic light status on GUI to recognise the status of traffic movement at site.
- Simultaneously displaying of under chassis, Driver, Scene & ANPR image on the screen.
- Quick integration with any access control system to satisfy customer needs.
- Quick Database backup & option to export in word, excel or pdf.
- CE, ISO, FCC certified, IP68 Rated.
- Galvanised anti-rust body with dust & rainwater outlet.

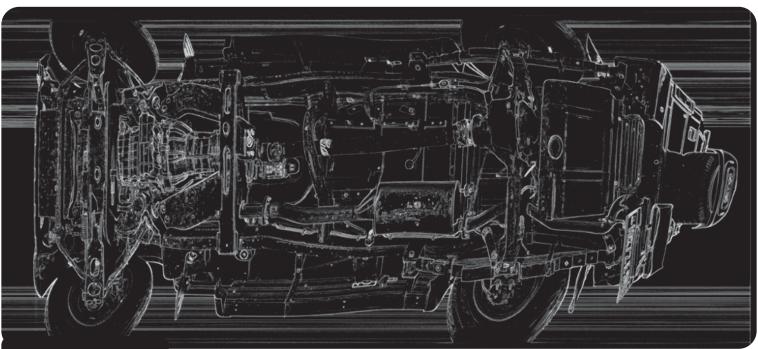


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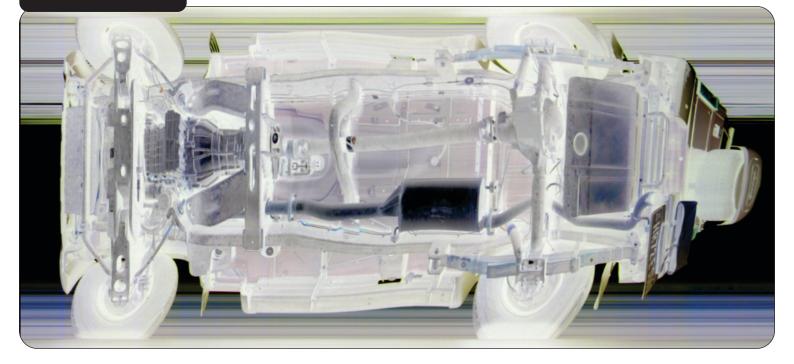


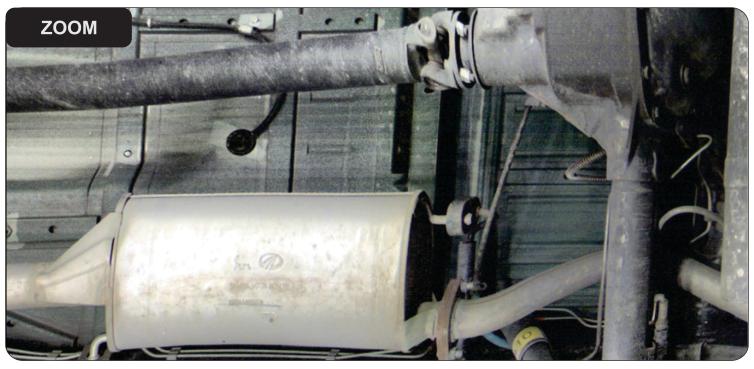
FULL HD IMAGES: Our system provides clear, sharp high-resolution images of the under chassis of scanned vehicles ensuring best security standards.

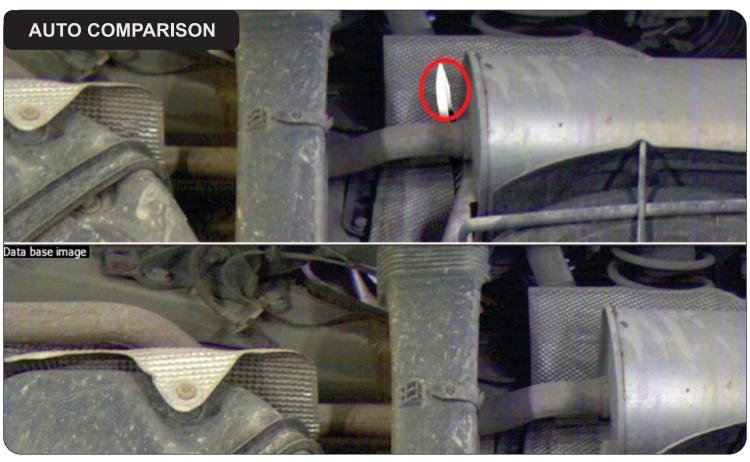
- FULL SCREEN IMAGES: Our system is capable to display the images in full screen along with the zoom option to view hard to view areas.
- **COLOR CLEAR IMAGES**: Advance technology to provide crystal clear colour images of under chassis of scanned vehicle which is a great need for security.
- **DIVERSITY OF ALGORITHMS IN GUI**: Multiple algorithms allow operator to check under carriage with diverse options.
- IN-BUILT GRANT ACCESS OPTION: Allows operator to hold suspected vehicle for thorough inspection & grant access to integrated barrier once scanned vehicle is approved.
- MULTIPLE SCREEN INTEGRATION: Our system has option to integrate with multiple screens.



ALGORITHMS







UVSS MODELS

BI-3RD EYE (3D)

 \Diamond

BI-3RD EYE (2D)

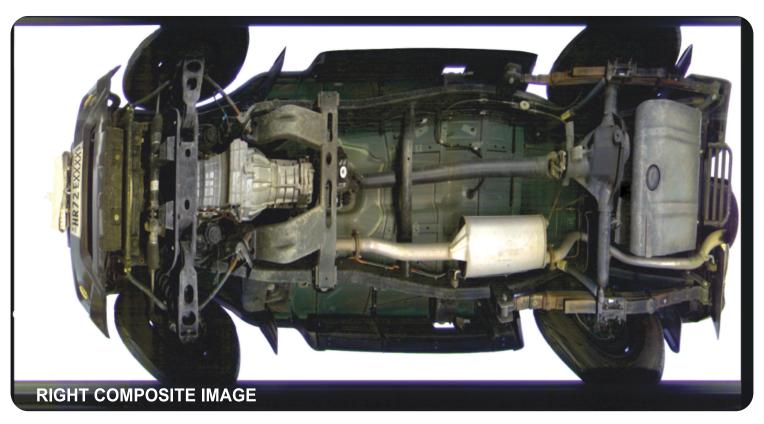
BI-3RD EYE (E)

BI-3RD EYE (P)

BI-3RD EYE (3D)

BROSIS BI-3rd EYE (3D) is highly advanced COLOR imaging technology. It is permanent embedded system with **two high resolution area scan cameras** fixed in IP68 casing which allow operator to view hard to view areas of under chassis of any moving vehicle with speed range from 0 to 40 km/h. This system is also known as dual area scan UVSS. Axle Load bearing capacity is 50 tons. It has ability to capture under chassis image even under tough lightning conditions.

This system generates two clear and sharp high resolution images of the under chasis of the vehicle - left composite image and right composite image.

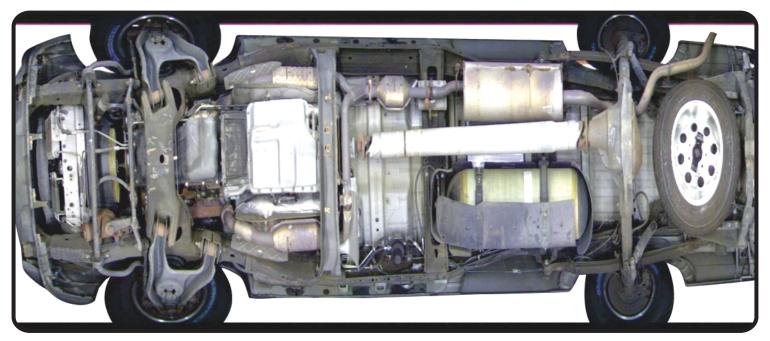




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BI-3RD EYE (2D)

BROSIS BI-3rd EYE (2D) is a colour imaging technology with **single high resolution area scan camera**. It is permanent embedded system in which scanner camera and array of LED lights are enclosed in IP68 casings making it perfect solution to scan, inspect, and digitally record the underside of any moving vehicle, speed ranging from 0 to 40 Km/h having axle bearing load capacity of 50 tons. This system is also known as single area scan UVSS & generates single clear and sharp high resolution image of the under chasis of the vehicle to view in full screen.



BI-3RD EYE (E)

BROSIS BI-3rd EYE (E) is colour imaging technology launched keeping in mind the growing demand for scanning systems. It is permanent embedded solution with single high resolution area scan camera and array of LED lights enclosed in IP68 casings making it perfect solution to scan, inspect, and digitally record the underside of any moving vehicle, speed ranging from 0 to 30 Km/h having axle bearing load capacity of 40 tons.

This system generates single clear and sharp high resolution image of the under chasis of the vehicle to view in full screen.



BI-3RD EYE (P)

BROSIS BI-3RD EYE (P) is a mobile type **portable UVSS system** which can be easily transported from one place to another and can be used for scanning of under side of vehicle when and where ever required by just laying the anti-skid ramp around the scanning unit.

Installation of this system can be done without digging with minimum civil work.



VEHICLE LICENSE PLATE IMAGE

DRIVER & CO-PASSENGER IMAGE

SCENE IMAGE











SOFTWARE BASED AUTO CLEANING



SOFTWARE BASED TRAFFIC CONTROL SYSTEM

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FEW INSTALLATIONS





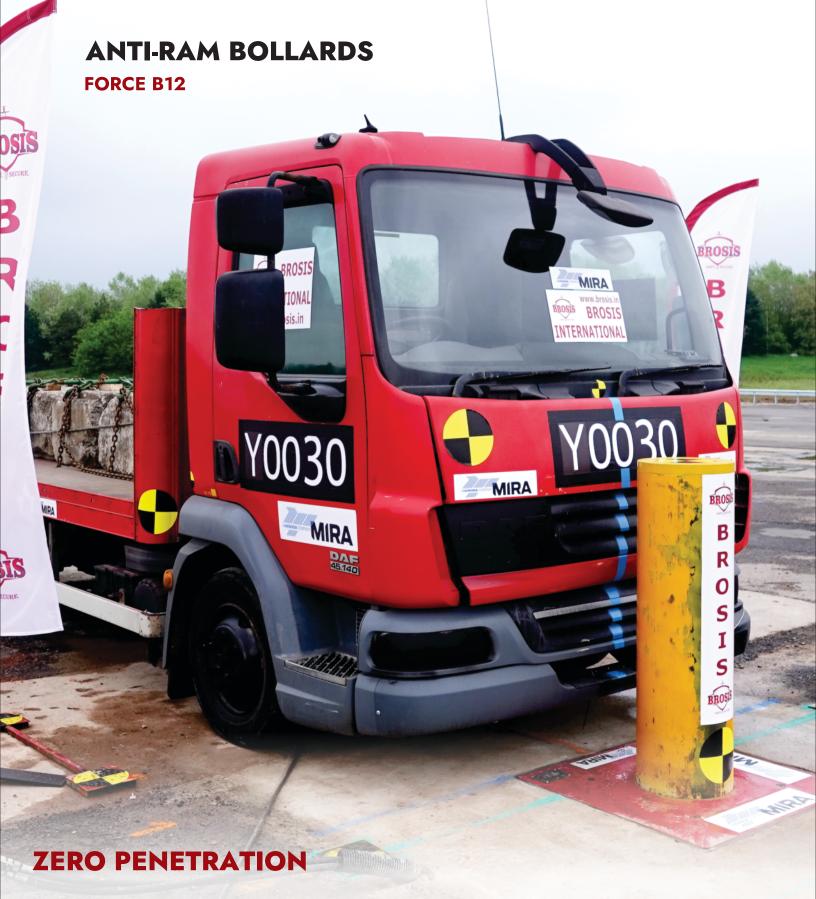
















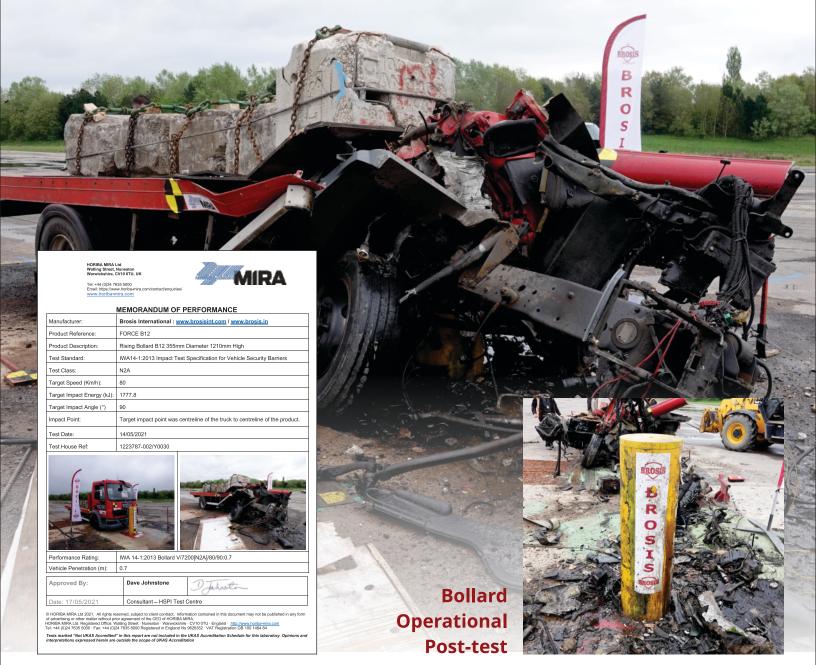












BROSIS FORCE B12 retractable hydraulic bollard is physically crash tested in HORIBA MIRA, UK according to IWA 14-1: 2013 & PAS 68:2013 std. Our single FORCE B12 can stop vehicle of 7.2 ton travelling at the speed of 50mph (80km/h).

We have achieved zero static penetration and 0.7 m dynamic penetration (P1).









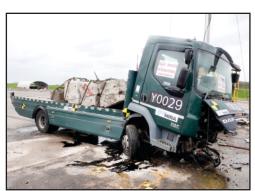
ANTI-RAM BOLLARDS

FORCE B4











BROSIS FORCE B4 is physically crash tested retractable hydraulic bollard at HORIBA MIRA, UK according to IWA 14-1: 2013 std. **Our Single Bollard can stop 7.2 ton vehicle travelling at the speed of 30mph (48km/h).**We have achieved zero static penetration and 0.1 m dynamic penetration (P1).







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TRAFFIC BOLLARDS

(Hydraulic Rising Bollards)





BROSIS automatic hydraulic rising bollards has been designed keeping in mind the security & traffic regulating for residential societies, commercial buildings, parking lots, pedestrian areas etc. These bollards are engineered to provide maximum operation durability.

Sizes available: Diameter: 170-273MM, Height: 600-1000MM

- Salient Features :
- Anti-slip top plate.
- Manual Operation in case of power breakdown.
- Embedded LED lightning (Optional).
- Readily available configuration in control unit for integration with all access control system.
- Available in SS Finish & Customized RAL Colors.

FIXED BOLLARDS

FORCE B12FB

Brosis FORCE B12FB is a fixed bollard and have been designed and manufactured bearing a resemblance similar to automatic retractable bollards and therefore allows the combined use of

both type, however, they can be installed as stand alone unit to regulate traffic and pedestrian moment.

Sizes available: Diameter: 200-355MM, Height: 600-1200MM

Salient Features

- Bearing similar resemblance to automatic retractable bollards with same sizes.
- Can be used in conjunction with automatic retractable bollards to successfully secure a perimeter and block passage permanently.
- Service & Maintenance free.
- In-built Solar Lights (Optional)
- Available in SS Finish & Customized RAL Colors.



ANTI-RAM ROAD BLOCKERS







SHIELD B12





Brosis SHEILD B12 Hydraulic road blockers are rated as most secure solution to shield the entrance from vehicular threat. It offers maximum security for extremely sensitive entry points against unauthorized vehicles of all sizes and weights.

It is designed to stop vehicle of 7.2 ton travelling at the speed of 50mph (80 km/hr) and met requirements for M50: P1 rating as per ASTM F2656 (2018) standard equivalent to D/6800/88/90/2032 of BSI PAS 68 (2013) and D/6800/[N2B]/88/90:0.00 of ISO IWA 14-2 (2013).

Sizes available:

Blocking Width: 2000-6000MM | Blocking Height: 650-1000MM | Underground Depth: 300-1000MM







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ANTI-RAM BARRIERS

VAJRA B12







Brosis VAJRA B12 anti-ram barrier is ideal for high to medium security access control scenarios with low to medium vehicle traffic. It is perfect for sites that require minimal excavation. It is seamlessly installed on entrances up to 20 feet (6m) of clear opening, making it a much more cost effective solution compared to multiple bollards or wedges. It also overcomes harsh terrain issues, snowplows, and other roadway obstacles.

It is designed to stop vehicle of 7.2 ton travelling at the speed of 50mph (80 km/hr) and met requirements for M50: P1 rating as per ASTM F2656 (2018) standard equivalent to D/6800/88/90/2032 of BSI PAS 68 (2013) and D/6800/[N2B]/88/90:0.00 of ISO IWA 14-2 (2013).

Sizes available: Blocking Width: 2000-6000MM

Anti-ram Sliding Gate

KAVACH B12





Brosis KAVACH B12 crash sliding gate is designed & engineered to provide high level of security against unauthorized vehicle access. The product is able to accept any architectural enhancement over and above its standard construction; therefore it lends itself to the continuation of any high security fencing specification, powered fence or security toppings across the normally vulnerable entrance to a site. The gate is available in variable heights, clear opening / widths, infill types as per requirement.

Sizes available: Blocking Width: 2000-6000MM

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AXLE BREAKER

ASTRA B475H



Brosis ASTRA B475H Axle Breaker Tyre Killers are manufactured & fabricated from heavy duty structure steel having axle load bearing capacity of 50 tons. Spikes of the axle breaker are strong enough to damage the axle & tyre of unauthorized vehicles trying to enter forcefully.

These can be used individually or in combination with other products like Bollards, UVSS, Boom Barriers etc.

Sizes available:

Blocking Width: 2000-6000MM
Blocking Height: 400-475MM







TYRE KILLERS

SPIKE B150H



Brosis SPIKE B150H are specially designed tyre killers to secure premises from severe threat of vehicle attack by penetrating tyres with minimum 4" thickness with penetration upto 5", hence enable vehicle to halt within distance of 2-3 meters. It is one of the best secure system to stop vehicles moving at high speed having upto 50 ton of axle loads by damaging rim and tyre of vehicle.

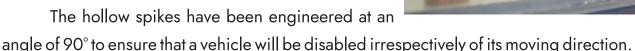


Sizes available:

Blocking Width: 2000-6000MM | Blocking Height: 150MM

SPIKE B150T

Brosis SPIKE B150T are two-way tyre killers/spike barrier which are specially designed to secure premises where vehicles used to pass from entry/exit and are comprised of set of hollow spikes which act as fail-safe puncture tool capable of bringing a vehicle to complete halt without harming passengers.



Sizes available: Blocking Width: 2000-6000MM | Blocking Height: 150MM



SPIKE B150C





Brosis SPIKE B150C are uniquely designed and manufactured Tyre killers/spike barriers to operate with both electro-hydraulically and electro-mechanically drive units. It can easily puncture all types of tyres.

Sizes available: Blocking Width: 2000-6000MM | Blocking Height: 150MM

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BOOM BARRIER

BAR SERIES





Brosis BAR SERIES boom barrier can be used to control entrances. Barrier is designed & constructed entirely by BROSIS in compliance with current safety standards, and with IP 54 protection rating. These barriers are cherished for their simple functionality, easy installation and cost effectiveness. Powerful drive unit performs flawlessly even in the most demanding operating and weather conditions.

Sizes available: Blocking Width: 2000-8000MM



















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