



Critical Solutions
International



VEHICLE MOUNTED INTERROGATION ARM

DETECT. INVESTIGATE. REMOVE.

VEHICLE MOUNTED INTERROGATION ARM

Light. Easy to Mount and Use. Versatile.

CSI's Interrogation Arm is a vehicle-mounted crane system designed to investigate and remove Improvised Explosive Devices (IEDs). The arm increases survivability by allowing for operation from inside mine protected vehicles and because it was designed as an independent component, can be attached to most vehicles already in theatre. Adapted from 45 years of civilian use, the arm was recognized as one of the U.S. Army's Top Ten Inventions of 2007.

VERSATILE

- Thermal imaging crane extension enables users to safely seek out and identify IEDs and other explosive anti-personnel devices over barriers, into culverts, and in other locations not viewable to the naked eye.
- A proprietary grasping rake attachment enables the operator to safely dig up and remove mines, IEDs, and other explosive anti-personnel devices.
- The unit's easy-to-deploy interface system and vehicle specific mounting kits give almost any vehicle the ability to find and remove explosive devices.
- Special design requests for the Interrogation Arm can be fast tracked. Design-to-delivery is measured in days, not months.



SPECIFICATIONS	M10A.12MIL	M20AL.12MIL
Max Reach	28 ft (8.53 m)	31 ft (9.4 m)
Gross System Weight	638 lbs (290 kg)	616 lbs (280 kg)
Remote Controlled Voltage	Yes 12VDC or 24VDC	Yes 12VDC or 24VDC
Power Source	Electric HPU	Electric HPU
Pump Capacity	2 gpm (7.6 lpm)	4 gpm (15.2 lpm)
Working Pressure	2600 psi (18 MPa)	2600 psi (18 MPa)
Tank Capacity	4 gal (15.2 l)	5 gal (18.9 l)
Base Crane Lifting Capacity	903 lbs @ 8'10" (410 kg @ 2.7 m)	1135 lbs @ 13'3" (515 kg @ 4 m)
Metal Detection	Optional	Optional
Pan/Tilt Near IR and Thermal Capable Camera	Yes	Yes

UPGRADES

- **Air/Water Digger** - The use of air or air/water jet combination is very effective for interrogating in hard compacted soil. The stream will penetrate soil with compaction values of over 20 tons/ft² creating a trench 5" deep and 10" long. Using the air to blast away debris to expose pressure sensitive explosives allows for a much safer interrogation process.
- **Instrument Display** - CANbus sensors are added to create feedback for every crane function. Important values can be shown to the operator including: relative position, articulation angle, extended distance, lifting pressure, and weight at the boom tip. Activate the auto-stow program at the push of a button to return the crane to its stow cradle no matter which orientation the crane is in.
- **HPU Upgrades** - The Hydraulic Pump Unit has been upgraded to run at a higher flow adding more runtime. This allows for multiple crane functions to be activated at once, reducing the interrogation time.
- **Dual Cameras** - With the addition of a junction box and another boom camera cable, two cameras can be used. This allows for one camera equipped with a spot light to be mounted at the end of the boom and one at the knuckle for a broad view of the interrogation area.

ABOUT CSI

Founded in 1999, Critical Solutions International (CSI) provides platforms that detect and mitigate evolving threats for security forces worldwide.

When your critical infrastructure is in environments where threats are dynamic and enemies have no border or uniforms, CSI has combat proven solutions that:

- Detect and analyze threats
- Mitigate threats with multiple platforms
- Train and support in-theater personnel to sustain operations and discover future threats



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