

QINETIQ



# Minotaur

Unmanned Military Vehicle

For IED defeat, route clearance and delivery. Operable in manned and unmanned modes.

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Minotaur is a robotic Bobcat®, that was designed specially for the U.S. Army to support a wide variety of military tactical missions including IED defeat, route and path clearance and delivery. Operable in both manned and unmanned modes, the Minotaur is equipped with numerous features that keep military personnel out of harm's way.

## Remove Operation

Using QinetiQ's wearable Tactical Robotic Controller (TRC), the soldier can operate Minotaur from more than 900 meters away.

Installing the Robotic Appliqué Kit (RAK) is simple and quick - RAK is installed in less than 15 minutes! To ensure safety, the Minotaur has a dedicated SafeStop feature to quickly stop the vehicle if needed. Minotaur is equipped with an array of electro-optical infrared and thermal cameras as well as a front mine roller/rake system for identifying and destroying buried munitions.

## Features

- Operable in manned and unmanned modes Identifies and defeats IEDs
- Operable from over 900 meters away Dedicated instant stop function Installs in less than 15 minutes!
- Daylight and thermal cameras Two-way audio
- Simple operation
- Graphical user interface

## Benefits

- Protects military assets
- Provides safety to Soldiers and operators
- Supports route clearance, load carriage and IED defeat

## Specifications

- **Operation:** Unmanned and manned
- **Installation:** Robotic Appliqué Kit installs onto Bobcat T110 in 15 minutes or less. Front mine roller payload system installs in minutes.
- **Cameras:** 6 fixed daylight/IR, 1 daylight/thermal PTZ
- **Reconnaissance:** 26:1 zoom camera daylight/FLIR and two-way audio
- **RF Range:** over 2,952 ft/900 meters line of sight Speed: travel speed up to 5.2 mph/8.4 km Operating height with Appliqué Kit: 98"/2,489 mm
- **Operating Width:** 47.2 inches/1,199 mm
- **User Interface:** intuitive graphical user interface with real time system feedback
- **Endurance:** over 24 hours of continuous operation Auxiliary fuel/water storage capacity
- **Vehicle-mounted battery charger:** allows on-site small unit battery charging
- **Safety:** dedicated SafeStop system for instant stop command via Tactical Robot Controller
- 9,500 pound/4,309 kg recovery winch
- **Operation:** Tactical Robotic
- **Controller:** 2.5 pounds/1.13 kg



Any Bobcat Loader equipped with Bobcat's Selectable Joystick Controls can be transformed into a high performance robotic platform using QinetiQ's RAK mounting system.

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