



MISSION DRIVEN INNOVATION

*We engineer the solutions
Needed to win the fight*

“The impact of Blackbridge Defense, will fill current operational gaps and integrate well within our Operational Detachment Alpha’s (ODAs). The Shadow Mount is designed specifically for U.S. Special Operations Soldiers and is viable for a variety of other DOD, National and State elements.”



SOCOM



“Lightest and most functionally proficient weapon mount we have utilized for the M240 and M249 weapon systems.”



USAF

INNOVATION

We've earned several *patents* for our innovative solutions to real-world battlefield issues. As veterans we understand how critical it is to work with a manufacturer who understands your issue and can deliver a product that meets or exceeds expectations.

Needs Analysis & Product Engineering

A field experienced representative works with you to create a solution that is effective and efficient under the most stressful circumstances. That includes drawings and renderings to clearly define the scope of the solution.

STRESS TESTING

Once we've defined a solution we create a prototype that we test in-house and then with you. The goal is to make certain the solution can hold up under the most stressful situations.

QUALITY ASSURANCE

All of our products are designed, engineered and manufactured in the US. Final assembly is done in-house to guarantee quality. Nothing goes out the door that doesn't pass rigorous inspection.



Product

SHADOW MOUNT WEAPON SYSTEM

The Shadow Mount Weapon System (SMWS) is a lightweight dual articulating swing arm weapon mount for the *M240* and *M249 MG* platforms. Weapon systems are easily mounted and dismounted by way of a *patented single action quick release pin*. Ammo can configurations are easily swappable to accommodate the specific weapon being fired from the mount.

Benefits

- Get on target in seconds
- Easy to manipulate fully loaded
- High strength (Aerospace grade aluminum)
- Magnetic Retention
- Easy mount and dismount

Features

- Fully adjustable and locking
- Lightweight—11.8 lbs
- M240/249 Capable
- Ammo Capacity 7.62: 200 Rds
- Ammo Capacity 5.56: 400 Rds

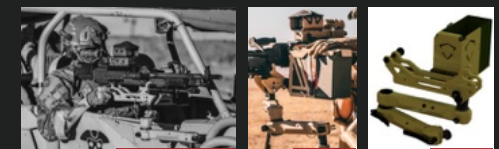
WHY THE SMWS?

With its lightweight and intuitive design the SMWS gets you on target at a moments notice



Vehicle Ready

- MRZR-D4/D2
- GMV 1.1
- MRZR-Alpha
- JLTV
- Dagor



Product

BLAST PROOF COOLER

Light, Resilient and Blast Proof

Designed to withstand an underside IED or blast scenario

A **collapsible soft sided cooler** that is able to withstand an **underside IED or blast scenario**. Developed to prevent water bottles from turning into shrapnel inside of a vehicle during an explosion. The Cooler is **Patented & Licensed** from the Army Soldier Systems Center and has completed MIL-STD testing by the US Army, including blast, vibration, and corrosion testing.

Why the Blast Proof Cooler?

- Tested to be blast proof
- Fire resistant
- Abrasion resistant
- Custom textile patters
- Multiple sizes: Small (15"W x 3"D x 11"H)
or Large (16"W x 21"D x 11"H)



Blast Proof Cooler Capabilities

- Stores Water, MREs and a Five-Gallon Jerry Can at potable temperatures (~70°F)
- Contains Ice (0 - 72°F) up to 56 hours
- Accommodates the High Stress Collapsible Water Bag (HSCWB)—5-Gallon
- Remain secure to the vehicle when impacted





Product

THE MACHINE GUN SIGHT

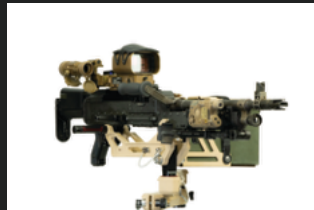
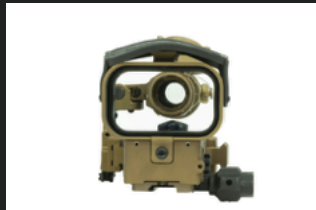
The MGS-I is a *Patented Red/Green Reflex Dot Sight* specifically designed and built for the .50 Caliber, M60E6/E4 /M240 /M-134 Minigun (7.62mm) Machine Guns and MK19 40mm Automatic Grenade launcher which are widely used in the armed forces.

- 3rd Generation Machine Gun sight offering a very large field of view designed with an unequalled 120 x 70 mm lens (Medium Lens available) that provides rapid acquisition and tracking of stationary and moving targets
- Provides pinpoint accuracy which ensures every round is on target suppressing enemy fire faster, reducing collateral damage and reducing drastically ammunition consumption
- Patented removable LED light source module with a stadia line style reticle that improves accuracy by eliminating the need for sighting guesswork
- Without a manual BDC dial, gunners can keep both hands-on Spade Grip and their eyes on target at all time



Machine Gun Sight Features

- **Universal sight design**—one sight for all machine guns
- **Modular Design**—allows to configure the sight to meet a specific mission criteria
- **Easy to maintain** / repair / upgrade
- **Available with Red or Green LED light source** for better visibility in high sunlight
- **Auto or Manual** Brightness control
- **MGS-1** is available for the following standard calibers: 7.62mm 12.7mm & .40mm (Other calibers upon request)
- **Easily upgrade** with a video camera system for remote aiming
- **Optional:** 3x magnifier and Honeycomb



Machine Gun Sight Specifications

CALIBERS

MGS1-MIX & *MGS1-LIX*: 12.7 mm (0.50 Cal)

DIMENSIONS [L X W X H]

MGS1-MIX: ~ 8.6 x 4.7 x 4.5 in (220 x 120 x 115 mm)

MGS1-LIX: ~9.4 x 6 x 5.1 in (240 x 150 x 130mm)

WEIGHT

MGS1-MIX: ~3 Lbs (~1.4 kg) | *MGS1-LIX*: ~4.5Lbs (~2 kg)

LENS SIZE

MGS1-MIX: ~3.4 x 2 in (88x 55 mm) | *MGS1-LIX*: 4.7 x 2.8 in (120 x 70mm)

TOTAL FIELD OF VIEW

MGS1-MIX & *MGS1-LIX*:: ~80m at 200m (>25 degrees)

AZIMUTH/ELEVATION ADJ.

MGS1-MIX & *MGS1-LIX*: ~0.5 MOA/click

EYE RELIEF

MGS1-MIX & *MGS1-LIX*: Unlimited

RED OR GREEN DOT SIZE

MGS1-MIX & *MGS1-LIX*: Dot = 3 MOA and Circle = 35 MOA

TORQUE LIMIT LOCK (TLL)

MGS1-MIX & *MGS1-LIX*: >3.0 Nm

LED COLORS

MGS1-MIX & *MGS1-LIX*: Red and Green selectable

TRAJECTORY RANGES

MGS1-MIX & *MGS1-LIX*: 200,400,600,800,1000,1200,1400,1600 & 1800

BRIGHTNESS ADJUSTMENTS

MGS1-MIX & V: 8 daylight & 3 Night Vision settings

MAGNIFICATION-OPTIONS

MGS1-MIX & *MGS1-LIX*:: 3x, 5x, or 3-8x Variable

POWER SUPPLY

MGS1-MIX & *MGS1-LIX*: 1 type CR 123 3V lithium

BATTERY LIFE ~1000+ HR

MGS1-MIX & *MGS1-LIX*: ~1000 hr

MOUNTING

MGS1-MIX & *MGS1-LIX*: MIL-STD-1913 rail (3 rails)

OPERATIONAL TEMP

MGS1-MIX & *MGS1-LIX*: -41 degrees C to +71 degrees C



ABOUT BLACKBRIDGE DEFENSE

Blackbridge Defense was founded in 2014 to create quick release technologies for the battlefield. Our team consists of a group of SOF veterans who have deployed all over the globe and bared witness to countless capability gaps while on patrols, conducting ISR, and navigating deadly foreign waters.

There are countless mission sets that rely on speed and efficiency, which is why our mission is to design, develop and implement mission driven technologies for current and future warfighter problems.

We are an SDVOSB, ITAR compliant, and utilize manufacturing with ISO certifications. All products, development, and manufacturing are solely US based.



David Burnett - President & Founder

After six years of military service, David began inventing technologies to fill capability gaps he discovered over multiple deployments in support of OEF. He founded Blackbridge Defense after honorable discharge in 2014, with an idea to better aid operators during HAF (Helicopter Assault Force) infil and exfil operations. He has been innovating directly with DoD, Federal, and State teams ever since.

Groups We Serve



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