



B.E.
MEYERS[®]
ADVANCED PHOTONICS

DEFENSE CATALOG
2022

A LEGACY OF EXCELLENCE IN THE PACIFIC NORTHWEST

B.E. MEYERS & CO.

“Build it Right. Save a Life.” That’s the production motto of B.E. Meyers & Co., Inc., and one that echoes throughout every aspect of our products. As we approach our fifth decade of manufacturing excellence, this dedication to the end-user, our ultimate customer, has guided the company from day one. We pride ourselves in our product quality, and our dedication to ensuring those forward in the fight can depend on B.E. Meyers & Co. equipment in any situation.

As an ISO 9001:2015-certified manufacturer of optoelectronic devices, B.E. Meyers & Co.’s core technologies include infrared and visible laser systems for aiming, illumination, targeting, non-lethal visual disruption for long-range Hail

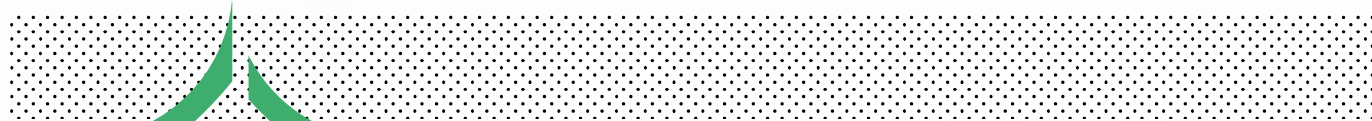
and Warning used in defense, aerospace, and law enforcement applications. Our customers include all branches of the U.S. Military, federal, state, and local law enforcement agencies, as well as foreign defense and security organizations worldwide.

Established in 1974, B.E. Meyers & Co. is located in Redmond, Washington where each and every product that leaves its doors is measured against exacting standards of precision, quality, and performance.

B.E. MEYERS & CO. MANUFACTURING HEADQUARTERS ARE LOCATED IN
REDMOND, WASHINGTON – USA

PROUDLY MADE IN THE USA

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PRODUCT APPLICATION LEGEND



HAND HELD



CARBINE/SMG WEAPONS



PRECISION RIFLES



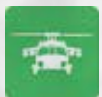
CREW SERVED WEAPONS



REMOTE WEAPON STATIONS



INTEGRATED SYSTEMS



ROTARY WING AIRCRAFT



FIXED WING PLATFORMS

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SINCE 1974

ISO 9001:2015 CAGE: 6U501

SINCE 1974

LIGHT FROM DARKNESS

A business' true story lies deeper than B.E. Meyers & Co. product line or the pedigree of its executives. A family-owned company, the B.E. Meyers' story is Brad Meyers own quintessential American success story of struggle, entrepreneurship, and innovation—and one that didn't start with lasers.

Almost five decades later, B.E. Meyers & Co., Inc. is still a family business that prides itself on serving the needs of the warfighter with passion, ingenuity, and innovation. Brad and Nancy Meyers began the company in 1974 by combining his hobby of SCUBA diving with his knowledge of explosives and a passion for the unorthodox. Operating out of their home in Seattle, Washington, B.E. Meyers & Co., Inc. started as SeaMesh Corporation, a unique underwater demolition company that started clearing away subsurface debris in the shipyards of Puget Sound. This evolved into providing a service for large ships to clear marine growth from their hulls while at anchor. With his patented method of utilizing a low-yield explosive mesh system, Brad was able to create a high-pressure wave effect that would clear barnacles from the ship, but leave the steel hull undamaged. This allowed for expedited and inexpensive ship maintenance as costly dry dock fees could be avoided and the process could be completed in a

day. Fewer barnacles resulted in less drag, and less drag resulted in better fuel economy during the routine ocean journeys of these large vessels.

As operations and insurance costs increased, SeaMesh Corporation became difficult to sustain and later evolved into B.E. Meyers & Co., Inc. in 1974. Brad took his interest in optics and astronomy and started an astronomy business out of their small home, successfully selling a variety of telescopes and other equipment throughout the typically cloudy Pacific Northwest. During this time, Brad began experimenting with early night vision tubes, and created some of the first systems sold commercially to police departments across the US. This evolved into a line of night vision systems and long-range surveillance systems for state and federal law enforcement. High-power infrared and visible lasers for weapons and military applications followed. Our ability as a laser manufacturer came to the forefront during Operation Enduring Freedom and Operation Iraqi Freedom. The IZLID® became a sought after commodity that allowed both Special Operations and conventional forces to clearly and precisely communicate with other assets on the battlefield to orchestrate the combined firepower of friendly forces against the enemy.

IN 1974, A TRAVELING SALESMAN AND
A UNITED AIRLINES FLIGHT ATTENDANT
STARTED AN EXPLOSIVES BUSINESS IN
THEIR SEATTLE HOME.

FROM HERE IT GETS WEIRD...



1974



AN EXPLOSIVE START

Founder Brad and Nancy Meyers' original Seattle-based company, SeaMesh Corporation, an underwater explosives venture, evolves into B.E. Meyers & Co. in 1974 as a home astronomy business.

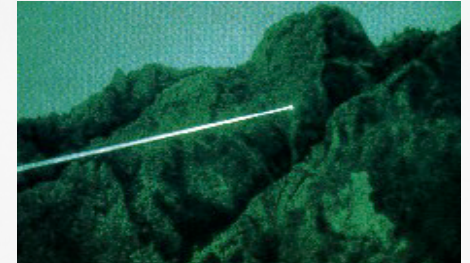
1983



GUIDED BY THE STARS

Brad Meyers develops the Dark Invader, a versatile night vision system catered to the needs of federal agencies and other law enforcement surveillance applications.

1987



LIGHT OUT OF DARKNESS

B.E. Meyers & Co. develops its first near infrared pointing and illumination laser systems in response to longer-range surveillance and night observation needs.

2001



WAR ON TERROR

The B.E. Meyers & Co. team begins preparations for the large scale support of America's military response in Afghanistan as part of Operation Enduring Freedom, and later on in Iraq as part of Operation Iraqi Freedom.

2004



VISUAL DISRUPTION

B.E. Meyers & Co. develops higher powered green lasers specifically for non-lethal hail and warning. The implementation of this technology fundamentally altered Escalation of Force doctrine, and dramatically reduced checkpoint fatalities.

2010



A GLOBAL PRESENCE

B.E. Meyers & Co. products are sought after by the international military community, supporting allied forces in dozens of nations across the globe.

1992

Redmond firm hits target with new contract



A LASER FOCUS

The company begins transitioning towards a focus in laser technology, introducing the first variants of the Infrared Zoom Laser Illuminator Designator (IZLID) and Green Beam Designator (GBD) laser product line.

1999



EYE IN THE SKY

The Optoelectronics Systems segment begins here. B.E. Meyers & Co. continues to evolve the laser technology into new pods for fixed wing and rotary wing aircraft, providing critical capabilities that would shape the future fight.

2016



MAWL® INTRODUCED

Under its second generation of family leadership, B.E. Meyers & Co. introduces all new innovative product families including the MAWL®. The success and safety of the warfighter remain the company's primary focus.

2021+



EVOLUTIONS & KIJI™

B.E. Meyers & Co. introduces KIJI™, the world's most powerful commercially available IR VCSEL laser illuminator as a continuation of our ongoing efforts to meet emerging needs of our customer. As we continue to evolve as a company into new technologies and applications, our culture of curiosity, innovation, and enthusiasm remain steadfast.



B.E. MEYERS & CO.

QUALITY & ISO

INDUSTRY LEADING MANUFACTURING PROCESSES

B.E. Meyers & Co. is an ISO 9001:2015 certified facility. The company's current 75,000 sq. ft. headquarters in Redmond, Washington encompass all aspects of design, development, and production. B.E. Meyers & Co. has three laser-safe test tunnels in-house, and the capabilities to perform thermal cycle testing, simulated gunfire testing, and diode characterization.

B.E. Meyers & Co.'s production capability supports the complete product life-cycle. From concept development, prototyping, and low rate initial production (LRIP), to full production capacity and sustainment, the company

is positioned to meet any acquisition objective. This is underpinned by ongoing fulfillment of DoD product needs and Programs of Record with multiple branches of the United States Armed Forces. B.E. Meyers & Co. strives to produce unparalleled quality and precision as an American manufacturer, with an unwavering commitment to providing systems that end-users rely on to accomplish the mission and return home safely.

B.E. MEYERS & CO.

MANUFACTURING

RESEARCH AND DEVELOPMENT

B.E. Meyers & Co. has a proven track record of success in the development, manufacture, and support of equipment for the United States Armed Forces over the last two decades. Programs of Record such as the United States Army Green Laser Interruption System (GLIS) attest to B.E. Meyers & Co.'s commitment to manufacturing integrity. This reputation has been further solidified with its status as the sole source winner of the United States Marine Corps Ocular Interruption Program as part of its \$49M IDIQ solicitation.

With new products being developed, tested, and proven on the battlefield, the company has laid the foundation for a trajectory towards continued success as a trusted supplier of equipment through Programs of Record and other distribution channels.

REGIONAL RESOURCES

B.E. Meyers & Co., Inc. is headquartered in Redmond, Washington, the technology core of the Pacific Northwest where we have been part of the business community since 1974.

B.E. MEYERS & CO.

POINTING & ILLUMINATION

B.E. Meyers & Co. Pointing and Illumination products have earned a coveted reputation for extreme precision and the ability to stay operational and effective no matter how much abuse they take in the field. Our MAWL®, IZLID®, DIAL®, and AEROPOINT® products have been to hell-and-back in conflict zones across the world. Our newest offering, the KIJITM, is the premiere choice for those looking to field the best commercially available IR VCSEL laser illuminator on the market.

PICTURED

MAWL-DA 860nm | 852nm NIR
8-setting pointer/illuminator w/ vis
green beam activated. EC2 attached.
Right-hand configuration.

See page 20 for additional
product information.



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B.E. MEYERS & CO.

VCSEL

DIODE TECHNOLOGY

REVOLUTIONIZED LASER SYSTEMS FOR THE NIGHT FIGHTER

Since the company's inception, B.E. Meyers & Co. has tirelessly searched for new technologies to master and leverage in its mission to supply the warfighter with the best weapon-enabling systems available. The company's groundbreaking work in laser pointing and illumination applications has proven foundational to its success in years past, and today B.E. Meyers & Co. has succeeded in setting a new benchmark.

UNEQUALED NIR ILLUMINATION

B.E. MEYERS & CO. VCSEL DIODE TECHNOLOGY PROVIDES UNMATCHED NIR PERFORMANCE.

BEAM QUALITY

In addition to increased power, NIR illuminator beam quality is also vastly improved with VCSEL technology. B.E. Meyers and Co. has developed VCSEL arrays with overlapping diode emission divergences which overcome any microscopic imperfections that could degrade beam consistency and clarity. LED (Light Emitting Diodes) and EEL (Edge Emitting Lasers) NIR illuminators often suffer from uneven illumination, which can obscure and confuse visual perception of the illuminated target. With B.E. Meyers & Co. VCSEL diodes, night fighters can benefit from increased situational awareness, and the ability to effectively illuminate targets and environments.

**ENHANCED BEAM
CLARITY FOR
INCREASED
SITUATIONAL
AWARENESS**

BEAM EFFICIENCY

Properly engineered, VCSEL diodes are extremely efficient. This major improvement in energy efficiency makes it possible to both achieve higher beam output powers, and increase battery life of the system. With an elongated runtime, end users can afford to focus less on beam output management, and more on the mission at hand.

BEAM POWER

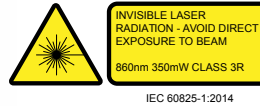
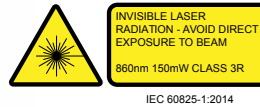
Unlike traditional LED's (Light Emitting Diodes) or EEL's (Edge Emitting Lasers), VCSEL (Vertical Cavity Surface Emitting Laser) diodes can be constructed in arrays that generate extreme output levels while retaining the same safety classifications of much lower-powered legacy technology. This means end users leveraging B.E. Meyers & Co. VCSEL technology can consistently break through previously impenetrable photonic barriers, and illuminate, aim, and communicate at farther distances.

COMPETITOR

B.E. MEYERS & CO. MAWL

KIJI™

INFRARED LASER ILLUMINATION TOOL



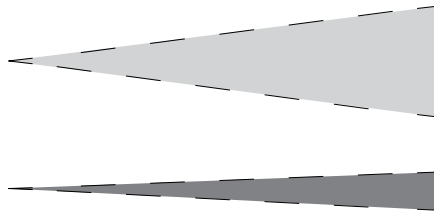
MODULAR VCSEL LASER POWER

KIJI™ is the most powerful, modular, VCSEL-based infrared laser illuminator commercially available. A Class 3R laser device, similar to the illuminator performance of the MAWL-DA, the KIJI K1-3° emits up to 150mw, and the KIJI K1-10° emits up to 350mw of flawless infrared laser illumination. Both models feature four programmable power levels and include beam diffuser options to quickly adjust beam power and divergence, ensuring the best irradiance on target for any situation.

K1-10°: 10 Degree Beam			
PL1P	L2	PL3P	L4
5mW	15mW	85mW	350mW

K1-3°: 3 Degree Beam			
PL1P	L2	PL3P	L4
5mW	15mW	85mW	150mW

*PLs listed in blue on the charts above are Class 1.



[BUILT WITH MODULARITY]

KIJI CAN BE CONFIGURED MULTIPLE WAYS FOR ANY MISSION SET.

NOMINAL CHARACTERISTICS

Part Number	KIJI-K1-03	KIJI-K1-10
Beam Divergence	3° 1/e (Approx.)	10° 1/e (Approx.)
Included Removable Diffuser	10° 1/e (Approx.)	40° 1/e (Approx.)
Maximum Output Power	150mW	350mW
Output Power Modes	5mW, 15mW, 85mW, 150mW	5mW, 15mW, 85mW, 350mW
Max Laser Class	3R	3R

All K1 Models

Max Laser Class	3R
Wavelength	850nm ± 5nm
Dimensions (Head Only, Diffuser Down)	2.15" Length, 1.155" Diameter
Dimensions (Kit w/ Pushbutton)	4.45" Length
Weight (Head Only)	1.5 oz, 43 g
Weight (Kit w/ Body, Endcap, Batt.)	3.07 oz, 87 g
Submersion	1m for 30 min
Operational Temperature Range	-20° to 50° C
Storage Temperature Range	-40° to 70° C

Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

KIJI K1-3° @ 400M



KIJI K1-10° @ 150M



**THE MOST POWERFUL
COMMERCIALY AVAILABLE
IR LASER
VCSEL ILLUMINATOR**

MAWL[®]

ONE SYSTEM. MULTIPLE SOLUTIONS.

THE B.E. MEYERS & CO. MAWL[®] FAMILY OF LASERS IS DESIGNED TO ADAPT TO ANY ENVIRONMENT.

The MAWL[®] family of lasers is a fully ambidextrous and modular system that is adaptable to different mounting and operational requirements. The MAWL[®] body, end-cap, and laser head can be easily removed and reconfigured.

Today's weapon platforms are extremely modular, and B.E. Meyers & Co. has developed a NIR pointing and illumination system that is as versatile and dynamic as the weapon it is mounted on. The MAWL[®] can be quickly customized for direct action, precision rifle, or even crew-served weapon systems, and is always the superior solution for any low-light/no-light combat environment.

PICTURED MAWL CONFIGURATION

HEAD: MAWL-ER 860nm | 852nm NIR 8-SETTING POINTER/ILLUMINATOR W/ VIS GREEN BEAM

BODY: MAWL BODY, STANDARD

END-CAP: MAWL EC2 END-CAP

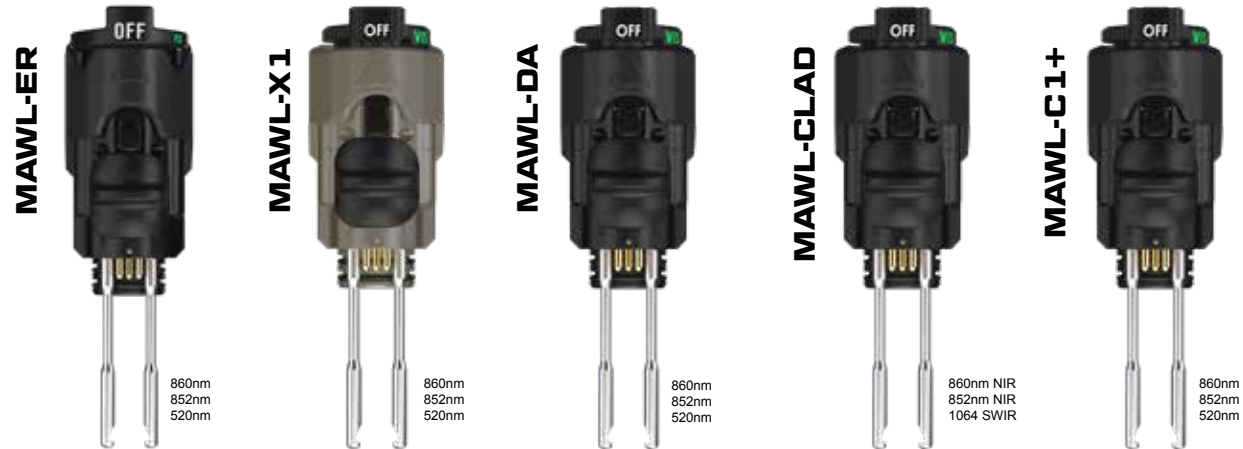


PROUDLY MADE IN THE USA

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HEAD

The MAWL® head unit is the brain of the system. The head unit on every MAWL® is equipped with a full suite of NIR illumination divergence settings, and a durable, replaceable propeller cap for intuitive functionality. End-users have the ability to configure their MAWL® with alternate divergence suites, and either VIS green or SWIR pointing capabilities.



BODY

The MAWL® body unit can be configured to accommodate a thumb-over-bore grip on direct-action weapons with the Standard Body, or for crew-served and precision rifles with the Offset Body. The Offset Body is designed to clear rifle-mounted night vision and support weapon geometries.



END-CAP

The MAWL® end-cap can be configured as a low-profile end unit with the EC1 when space is limited. The EC1 features two remote switch fire ports. The MAWL® EC2 can support multiple power sources, and features a quick change battery cap for improved field functionality. The AA battery extension allows for the use of two AA batteries instead of the standard CR123.

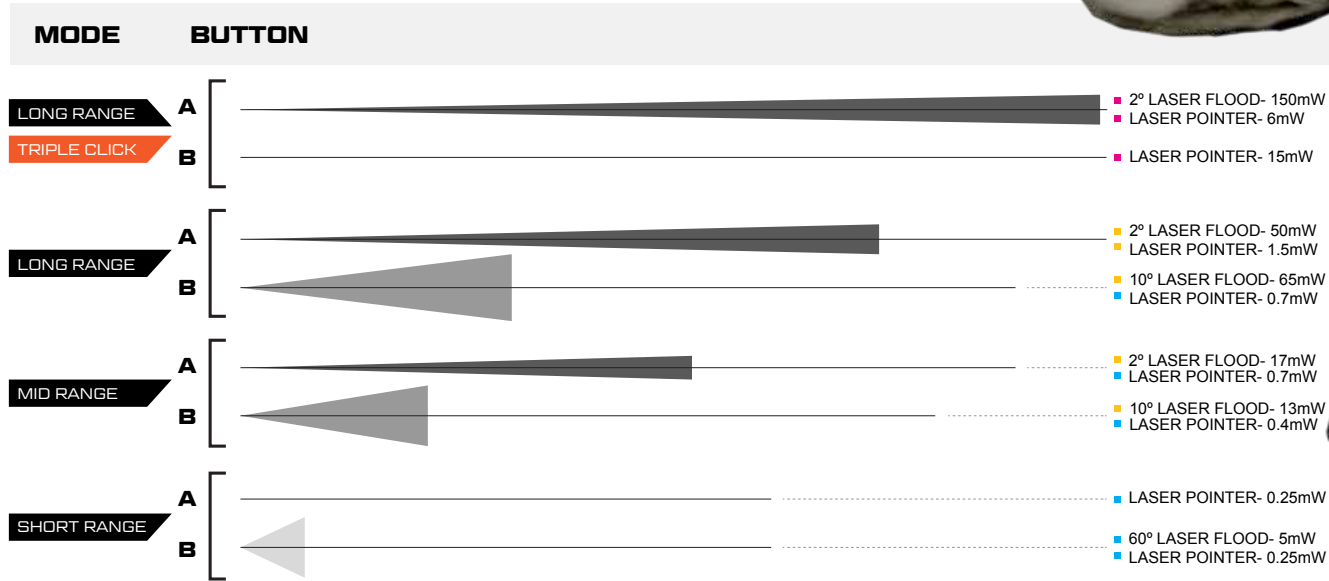


B.E. MEYERS & CO.

EIGHT SETTINGS RIGHT AT YOUR FINGERTIPS.

THE MAWL® IS INSTANTLY ADJUSTABLE FOR POWER AND DIVERGENCE.

The MAWL® eliminates granular adjustments and complex multi-position switches by consolidating these choices into the finely balanced power and divergence settings you need: Short Range, Mid-Range, Long Range and new Triple Click long range.



All distances are averages based on useful, target-identifiable illumination and may vary depending on ambient lighting conditions, target size, and quality of the user's image intensifier. Divergences based on 1/e° measurements.

IR POINTER	CLASS 3B
2° ILLUMINATOR	CLASS 3R
10° ILLUMINATOR	CLASS 1
60° ILLUMINATOR	

MAWL-DA V1 v3_2



DESIGNED FOR DYNAMIC ENVIRONMENTS

MULTI-FUNCTION SWITCH

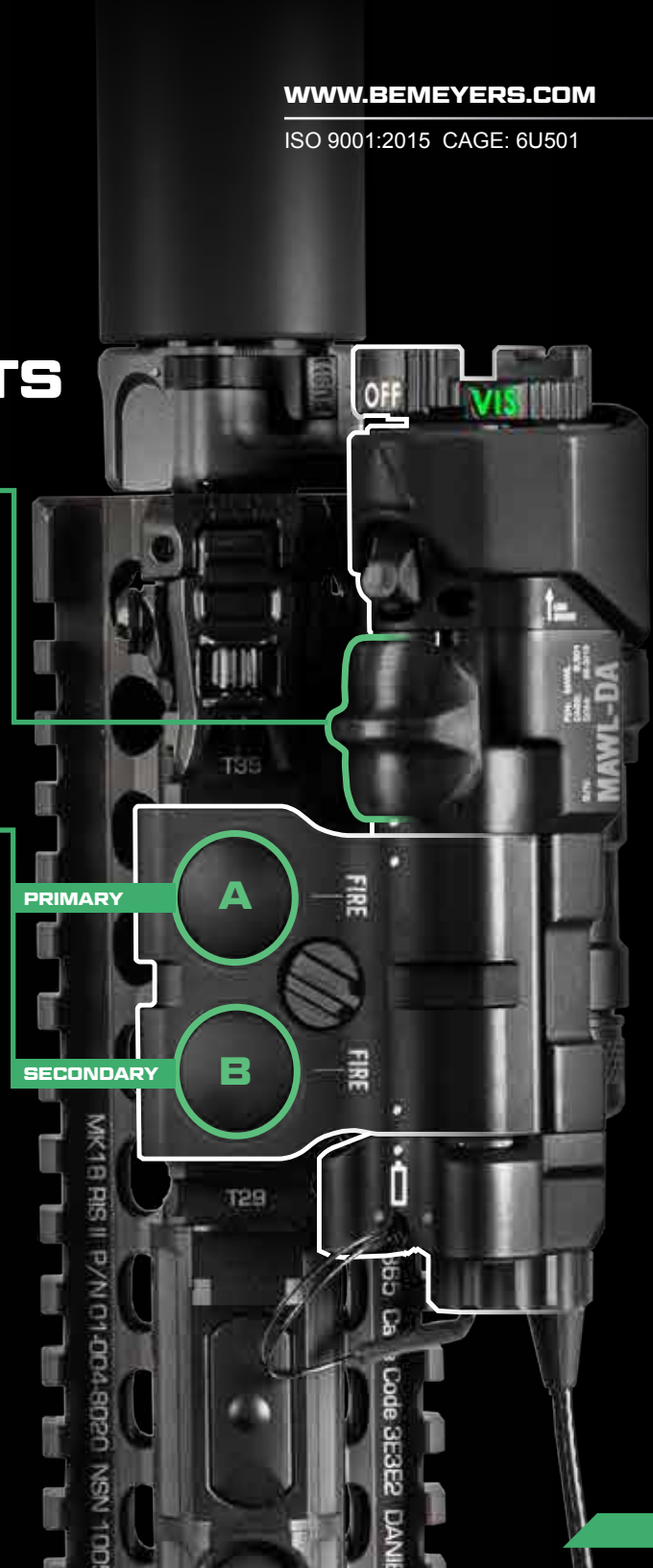
Modes and power output are set for optimal illumination, beam size, and clarity at each engagement range.

The multi-function switch is extremely tactile and easy to determine your range mode by feel.

A & B BUTTONS

The A & B buttons activate two different sub-divergences for each engagement range. The buttons make it easy to activate your ideal illumination setting in the dark, under stress, or working with gloves on.

TRIPLE CLICK: Press the A or B button three times and hold on the last press until the output changes to the alternate setting. **CLICK, CLICK, CLICK & HOLD.**



MAWL[®]-C1+

MODULAR ADVANCED WEAPON LASER - LASER CLASS 1



LEADING CLASS 3R POWER.

The MAWL[®]-C1+ is the world's first commercially available NIR and visible green laser aiming device using Class 1+™ technology. The MAWL[®]-C1+ retains all of the ergonomic, clarity, modularity, and interface enhancements of the MAWL[®]-DA, and offers more infrared illumination output power than any FDA Class 3R or Class 1 laser on the commercial market.

The MAWL[®]-C1+ has significantly greater illumination range as well as improved beam pattern and quality at all ranges compared to other commercially available laser devices. The laser's design simplifies complex multi-position switches and consolidates these choices into the settings you need: Short Range, Mid-Range, Long Range, and Triple Click Long Range with the power and divergences appropriate for each.

At only 0.37" above the rail, the buttons are lower than any other device, and fits perfectly with common weapon lights and micro BUIS. It is also completely ambidextrous: simply swap the endcap and head, and remount to use left handed.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -C1+
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
WAVELENGTH	NIR, VISIBLE GREEN
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	80mW (860nm) 5mW (520nm)
POWER	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.03 MOA PER CLICK
LASER CLASS	CLASS 3R

MAWL[®]-DA

MODULAR ADVANCED WEAPON LASER - DIRECT ACTION



MODULAR. DEPENDABLE. DEADLY.

The MAWL[®]-DA (Modular Advanced Weapon Laser - Direct Action) is a high power infrared and visible green aiming and illumination laser for individual carbines. Offering improved ergonomics, interface, and performance, the MAWL[®]-DA has been engineered from the ground up around the needs of the modern night fighter. Designed to address the shortcomings of common laser devices in use with both military and law enforcement, the MAWL[®] incorporates cutting edge VCSEL technology which eliminates the current problem of inconsistent and granular, speckled illumination.

This unparalleled beam quality is leveraged with multiple modes of divergence and power, based on the ideal settings for any operational environment: Short Range, Mid-Range, Long Range, or Triple Click Long Range. The MAWL[®]-DA is a modular system. The body, endcap, and head are separate, interchangeable components. The MAWL[®] is completely ambidextrous and can be configured on the rail to suit the operator's needs.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -DA
NSN	5855-01-682-4030
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
WAVELENGTH	NIR, VISIBLE GREEN
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	150mW (860nm) 25mW (520nm)
POWER SOURCE	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.03 MOA PER CLICK
LASER CLASS	CLASS 3B

DEFENSE SYSTEMS | POINTING & ILLUMINATION

MAWL[®]-DA-R

MODULAR ADVANCED WEAPON LASER - DIRECT ACTION (RED)



RUGGED. RELIABLE. RED.

The MAWL[®]-DA-R (Modular Advanced Weapon Laser – Direct Action, Red) has all the capabilities inherent in MAWL[®]-DA, but features an 80mW red laser pointer in place of the green found standard in the rest of the MAWL[®] family. While the visual perception of the red pointer is comparable to the green, certain military and law enforcement agencies prefer red pointers for a common visual indicator on a threat.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -DA-R
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
WAVELENGTH	NIR, VISIBLE RED
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	150mW (860nm) 80mW (640nm)
POWER SOURCE	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.03 MOA PER CLICK
LASER CLASS	CLASS 3B

MAWL[®]-DA-P

MODULAR ADVANCED WEAPON LASER - DIRECT ACTION
PROGRAMMED TO WORK WITH PHOTONIS TUBES



MODULAR. DEPENDABLE. DEADLY.

The MAWL[®]-DA-P (Modular Advanced Weapon Laser - Direct Action for Photonis Tubes) is a high power infrared and visible green aiming and illumination laser for individual carbines. Offering improved ergonomics, interface, and performance, the MAWL[®]-DA-P has been engineered from the ground up around the needs of the modern night fighter. Designed to address the shortcomings of common laser devices in use with both military and law enforcement, the MAWL[®] incorporates cutting edge VCSEL technology which eliminates the current problem of inconsistent and granular, speckled illumination.

This unparalleled beam quality is leveraged with multiple modes of divergence and power, based on the ideal settings for any operational environment: Short Range, Mid-Range, Long Range, or Triple Click Long Range. The MAWL[®]-DA-P is a modular system. The body, endcap, and head are separate, interchangeable components. The MAWL[®] is completely ambidextrous and can be configured on the rail to suit the operator's needs.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -DA-P
NSN	5855-01-675-8247
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	150mW (860nm) 25mW (520nm)
POWER SOURCE	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.03 MOA PER CLICK
LASER CLASS	CLASS 3B

DEFENSE SYSTEMS | POINTING & ILLUMINATION

MAWL[®]-X1



UNPARALLELED RANGE AND CLARITY.

The MAWL[®]-X1 (Modular Advanced Weapon Laser) is a high-power infrared and visible green aiming and illumination laser for individual carbines and crew-served weapons. Offering improved ergonomics, interface, and performance, the MAWL[®]-X1 has been engineered from the ground up around the needs of the modern night fighter.

Designed to address the shortcomings of common laser devices in use with both military and law enforcement, the MAWL[®]-X1 incorporates cutting edge VCSEL technology which eliminates the current problem of inconsistent and granular, speckled illumination. This unparalleled beam quality is leveraged with Short Range, Mid-Range, Long Range, or Triple Click Long Range divergence and power output, providing optimized settings for any operational environment.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -X1
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
WAVELENGTH	NIR, VISIBLE GREEN
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	150mW (860nm) 25mW (520nm)
POWER	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.03 MOA PER CLICK
LASER CLASS	CLASS 3B



MAWL[®]-CLAD

MODULAR ADVANCED WEAPON LASER - COVERT LASER AIMING DEVICE



HYBRID AIMING AND ILLUMINATION

The MAWL[®]-CLAD (Modular Advanced Weapon Laser - Covert Laser Aiming Device) is a high power infrared and SWIR aiming and illumination laser for individual carbines. Offering improved ergonomics, interface, and performance, the MAWL[®]-CLAD is engineered to address the unique needs of military elements operating in non-permissible environments.

The MAWL[®]-CLAD distinguishes itself from other MAWL[®] variants through the inclusion of a Short-Wave Infrared (SWIR) laser pointer. This laser is undetectable by most common Near Infrared (NIR) night vision systems and other visual augmentation sensors, but is compatible with a variety of SWIR systems (e.g., E-COSI) currently in use with Special Operations Forces.

The MAWL[®]-CLAD retains the same form factor, user interface, and NIR wavelength diodes present in other MAWL models to provide both marking and illumination for its primary "IR" function mode. MAWL[®]-CLAD does not include a visible green laser.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -CLAD
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
WAVELENGTH	852nm, 860nm, 1064nm
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	150mW (860nm) 45mW (1064nm)
POWER	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD/1.03 MOA PER CLICK
LASER CLASS	CLASS 3B

MAWL[®]-ER

MODULAR ADVANCED WEAPON LASER - EXTENDED RANGE



EXTENDED RANGE AND POWER

The MAWL[®]-ER (Extended Range) is a Class 3B multi-function laser illuminator/aiming device. It is a high powered variant of the MAWL[®]-DA with infrared illuminators intended to offer greater capability at distance or in environments with excessive ambient lighting conditions. The device is capable of emitting a visible green 520 nm pointer beam, 860 nm invisible infrared illumination beams, and an 852 nm IR point beam. The MAWL[®]-ER incorporates cutting edge VCSEL technology eliminating inconsistent and granular, speckled illumination.

This unparalleled beam quality is leveraged with Short Range, Mid-Range, Long Range, or Triple Click Long Range divergence and power output, providing optimal performance in any operational environment.

PRODUCT SPECIFICATIONS

PART NUMBER	MAWL [®] -ER
NSN	1260-01-689-3088
WEIGHT	10.4 OZ W/BATTERY
DIMENSIONS	5.5" L X 2.8" W X 2" H
WAVELENGTH	NIR, VISIBLE GREEN
FLOOD DIVERGENCE	2°, 10°, 60°
MAX OUTPUT	200mW (860nm) 50mW (520nm)
POWER	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD/1.03 MOA PER CLICK
LASER CLASS	CLASS 3B



IZLID STORIES

B.E. MEYERS & CO. MAKES LASERS THAT DOMINATE THE BATTLEFIELD

For over three decades, B.E. Meyers & Co. has provided crucial NIR pointing and illumination capabilities for troops forward in the fight. The ultra-rugged designs, and unmatched performance have given soldiers a much-needed edge in hostile environments, where effective communication in the darkness is the difference between victory and destruction.

FROM TECH, TO BANG



“...they responded with contact as my **IZLID**, only visible with NVGs, cut through the desert night sky.”

It all started as a scheduled night boat patrol on the Euphrates River, West of Baghdad. Everything was quiet until an IED blast swept across our boat.

I awoke from the initial blast to the sound of small arms fire, disoriented, and unable to see. Initially, I thought I had gone blind, until I remembered that it was the middle of the night and my night vision goggles (NVGs) had been blown off. Scrambling around I rolled over and managed to get my NVGs working. The first thing I saw was our boat gunner laying down suppression on the enemy positions. I realized that my left arm wasn't functioning very well, but I forced myself to hold my rifle and return fire. As I was working through my first magazine I remembered that I was the FAC/JTAC for this unit and 155mm Artillery and 500 pound bombs were more effective than 5.56 rounds from my M4. I moved to the radioman and he was able to contact the Artillery battery for support. He handed me the handset and I gave them my best call for fire. Unfortunately, this had little effect. Joint Operations Center informed us that two F-16's were in the area and able to assist. Still not knowing how bad I was hurt, I began talking the F-16's onto target. After coordinating our location, they responded with contact as my IZLID, only visible with NVGs, cut through the desert night sky. With the help of the IZLID we were able to get multiple coordinated air strikes on the enemy positions. We blew through the target area and made our way for home. After things died down the doc was able to assess my arm, and what I thought was sweat from the heat of the Iraqi night was actually blood. My left shoulder had been shredded by shrapnel and broken. The doc patched me up and I was later sent to the hospital for further surgery. The story ends with me arriving at the Portsmouth Naval Hospital on the night of Independence Day, with fireworks being shot over the bay. It reminded me that "Freedom is never Free". "From the halls of Montezuma, to the shores of Tripoli..."

"God Bless America."

This is my epic IZLID story.

—“Tonto” Colonel, USMC (ret)

IZLID[®] 200P

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR



RUGGED. LIGHTWEIGHT. VERSATILE.

The IZLID[®] 200P is a compact, lightweight infrared (IR) laser pointer and illuminator. Designed and built for extreme environmental conditions, including exterior aircraft mounting, the rugged IZLID[®] 200P is powerful enough to effectively support joint fires, and can be easily adjusted to support weapons mounted applications with illumination beyond 800m. With greater target awareness and effective engagement at extended ranges, the IZLID[®] 200P is ideal for both aircraft and vehicle-mounted crew served weapon applications. The IZLID[®] 200P is available in AA and CR123 battery variations.

PRODUCT SPECIFICATIONS

PART NUMBER	425P-A3-AA
NSN	5855-01-505-3103 (425P-A2-AA)
WEIGHT	9.8 OZ W/BATTERY
DIMENSIONS	8.5" L X 1.7" W X 1.8" H
WAVELENGTH	830nm
POINT RANGE	39km
FLOOD RANGE	780m
MAX OUTPUT	195mW
POWER SOURCE	TWO (2) AA BATTERIES
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.25 MOA PER CLICK
LASER CLASS	CLASS 3B



WPN KIT & ABN KIT

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR



IZLID 200P WPN KIT

425P-WPNKIT9

NSN: 1010-01-633-4144



IZLID 200P ABN KIT

425P-ABNKIT

NSN: 1270-01-581-4253



IZLID® 200P (CR123)

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - CR123



COMPACT IR POINTING & ILLUMINATION

The IZLID® 200P-CR123 provides the same pointing and illumination capabilities as the AA variant, but in a much more compact and versatile model, which is ideal for both handheld use as well as weapon-mounted configurations.

This IZLID® 200P configuration provides performance and power on par with the AA alternatives, but at reduced weight and length. With the typical characterization of quality CR123 batteries, this model is also the best option for cold-weather operating environments.

When combined with our retention cable and pouch in a handheld configuration, the IZLID® 200P-CR123 is our recommended tool for effective NIR canopy and drop zone illumination during Military Free Fall activities, as well as for rotary wing aircraft air-to-ground integration, ground hazard identification, and high-tension wire illumination and marking.

PRODUCT SPECIFICATIONS

PART NUMBER	425P-A3-CR123
WEIGHT	8.5 OZ W/BATTERY
DIMENSIONS	6.15" L X 1.7" W X 1.8" H
WAVELENGTH	830nm
POINT RANGE	39km
FLOOD RANGE	780m
MAX OUTPUT	195mW
POWER SOURCE	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.25 MOA PER CLICK
LASER CLASS	CLASS 3B

IZLID® 200P 24V

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - 24V



SEAMLESS AIRCRAFT INTEGRATION

The IZLID® 200P 24V is a lightweight, infrared pointing and illumination laser for use with Night Vision and IR sensors on rotary-wing aircraft and remote weapon stations. Featuring an adjustable beam divergence, and three preset power outputs: High, Low, and Pulse, the IZLID® 200P 24V offers maximum flexibility in a compact package. Its high-output power, and adjustable azimuth and elevation, deliver exceptional marking capabilities for rapid target acquisition, resulting in first round hits. The clear, 6° illuminator allows for immediate identification of obstacles in flight, and at landing zones.

The IZLID® 200P 24V features a rugged, aircraft grade aluminum housing that will withstand the most extreme environmental conditions.

PRODUCT SPECIFICATIONS

PART NUMBER	425P-A2-24V
WEIGHT	9.6 OZ
DIMENSIONS	6.39" L X 1.7" W X 1.8" H
WAVELENGTH	830nm, 1064nm
POINT RANGE	39km
FLOOD RANGE	780m
MAX OUTPUT	195mW
POWER SOURCE	ONE (1) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.25 MOA PER CLICK
LASER CLASS	CLASS 3B

IZLID® 1000P

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - 1000P



AIR TO GROUND COMMUNICATION

The original standard for close air support and target marking applications, the IZLID® 1000P has been serving the TACP community for decades. The 1000P is extremely rugged and the enhanced power of the 1 watt infrared (IR) beam is visible by high-altitude aircraft, making the IZLID® 1000P optimal for air-to-ground communication. The beam is effective out to 43km and can be easily adjusted into a flood setting, visible at 0.8° out to 7km.

The IZLID® 1000P is boresightable for azimuth and elevation and can be used tripod mounted or handheld, or attached to a MIL-STD-1913 rail.

PRODUCT SPECIFICATIONS

PART NUMBER	428P-A1-1
NSN	5855-01-502-6414
WEIGHT	27.5 OZ W/BATTERY
DIMENSIONS	10.7" L X 1.7" W X 2.9" H
WAVELENGTH	860nm
POINT RANGE	43km
FLOOD RANGE	7km
MAX OUTPUT	1W
POWER SOURCE	FOUR (4) AA BATTERIES
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.03 MOA PER CLICK
LASER CLASS	CLASS 4

IZLID[®] 3Watt

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - 3WATT



EXTREME POWER. EXTREME DISTANCE.

The IZLID[®] 3Watt laser produces a long range, wide IR flood (1000 mW to 3000 mW variable output) for use with night vision or infrared sensitive camera systems at up to 5 degrees in beam divergence. Configured with an external electrical interface, the IZLID[®] 3Watt is the premiere solution for high-power infrared illumination for both vehicles and aircraft.

The IZLID[®] 3Watt produces a variable high-output infrared rectangular spot for long range NIR illumination. With both peak power and divergence, the IZLID[®] 3-Watt is the ultimate night vision targeting and illumination system.

PRODUCT SPECIFICATIONS

PART NUMBER	2300-A1
WEIGHT	24 OZ
DIMENSIONS	11.5" L X 1.85" W X 1.85" H
WAVELENGTH	808nm
POINT RANGE	40+km
FLOOD RANGE	3km UP TO 5 Degrees
MAX OUTPUT	3W
POWER SOURCE	12-30V DC
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	N/A
LASER CLASS	CLASS 4

IZLID® AeroPoint

INFRARED ZOOMING LASER ILLUMINATION DESIGNATOR



ROTARY WING TARGETING

Built for the main gun systems of the AH-64 Apache, the IZLID® AeroPoint supports high power near-infrared pointing capabilities visible to the pilot and other night-vision equipped assets. The IZLID® AeroPoint consistently provides peak performance in demanding applications, facilitating precision confirmation of targets-of-interest by aircraft personnel.

The IZLID® AeroPoint is built on our rugged IZLID® 1000P laser design, and has the proven reliability of the 1000P, packaged into an airframe mountable laser system. This fully remote controllable laser offers features such as a field replaceable window, and eye safe training/testing filter.

The IZLID® AeroPoint is configurable to the AH-64 Apache and AH-1W SuperCobra attack helicopters. The Cobra and Apache variants differ only in the mount provided with the kit.

PRODUCT SPECIFICATIONS

PART NUMBER	428P-WA (APACHE)
NSN	1270-01-526-4623
PART NUMBER	428P-W (COBRA)
NSN	1270-01-564-8162
WEIGHT	25 OZ
DIMENSIONS	13.75" L X 2.2" W X 2.4" H
WAVELENGTH	860nm
POINT RANGE	43km
FLOOD RANGE	N/A
MAX OUTPUT	950mW
POWER SOURCE	12-30V dc
LASER CLASS	CLASS 4

IZLID[®] 200P EPLM

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - EXTERNAL POWER LASER MOUNT



REMOTE WEAPON STATION TARGETING

Specifically designed to incorporate into standard Remote Weapon Stations, the 425P-A2-EPLMKIT (Externally Powered Laser Mount) incorporates a standard IZLID[®] 200P into a remote-power and remote-fire capable configuration. While the IZLID[®] 200P is not visible to typical RWS MWIR microbolometers, it allows for the target coordination, confirmation, and hand-off with ground forces using NIR sensors, ensuring that the party utilizing the RWS to engage targets is able to verify that target with ground forces under standard NVGs in the area.

Providing distinct and powerful target aiming and signal capability, the IZLID[®] 200P is designed for rugged use and prolonged environmental exposure. Built to last through prolonged shock and vibration on a variety of platforms, the IZLID[®] 200P provides continual and dependable NIR pointing, marking, and illumination capabilities to those in the fight. Adapts to any standard MILSTD1913 rail system.

PRODUCT SPECIFICATIONS

PART NUMBER	425P-A2-EPLMKIT
WEIGHT	18.2 OZ
DIMENSIONS	7.6" L X 2.2" W X 2.1" H
WAVELENGTH	830nm
POINT RANGE	39km
FLOOD RANGE	780m UP TO 0.5 Degrees
MAX OUTPUT	195mW
POWER SOURCE	6V dc
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	N/A
LASER CLASS	CLASS 3B

IZLID[®] Ultra

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - 1WATT



HIGH POWER. LIGHTWEIGHT.

The new standard for Close Air Support and target marking applications, the IZLID[®] Ultra maintains all of the power and capability of its predecessor, the IZLID[®] 1000P, but at a fraction of the original weight and size. The laser can be hand-held or mounted on a rail for greater stability and ease of operation. The enhanced power of its 1 watt near-infrared (NIR) beam is effective out to 43 km, making it visible to high-altitude aircraft, and an optimal solution for air-to-ground integration. The IZLID[®] Ultra also features a 12mrad flood setting for illumination out to 7 km and beyond.

PRODUCT SPECIFICATIONS

PART NUMBER	434P
NSN	5855-01-591-0466
WEIGHT	11.7 OZ W/BATTERY
DIMENSIONS	8.6" L X 1.7" W X 1.8" H
WAVELENGTH	860nm 1064nm 1550nm
POINT RANGE	43km
FLOOD RANGE	7km
MAX OUTPUT	1W
POWER SOURCE	TWO (2) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.25 MOA PER CLICK
LASER CLASS	CLASS 4

IZLID[®] Ultra 24V

INFRARED ZOOM LASER ILLUMINATOR DESIGNATOR - 24V



TURN-KEY PERFORMANCE

The IZLID[®] Ultra 24V is a lightweight, infrared pointing and illumination laser for use with night vision and IR sensors on rotary-wing aircraft, fixed wing aircraft, and remote weapon stations. Featuring an adjustable beam divergence, and three preset power outputs: High, Low, and Pulse, the IZLID[®] Ultra 24V offers maximum flexibility in a compact package. Its high-output power, and adjustable azimuth and elevation, deliver exceptional marking capabilities for rapid target acquisition, resulting in first round hits. The clear, 6° illuminator allows for immediate identification of obstacles in flight, and at landing zones.

The IZLID[®] Ultra 24V features a rugged, aircraft grade aluminum housing that will withstand the most extreme environmental conditions.

PRODUCT SPECIFICATIONS

PART NUMBER	434P-A3-24V
WEIGHT	10 OZ
DIMENSIONS	7.8" L X 1.7" W X 1.8" H
WAVELENGTH	860nm 1064nm 1550nm
POINT RANGE	43km
FLOOD RANGE	7km
MAX OUTPUT	1W
POWER SOURCE	9 to 36V dc
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.3 MRAD / 1.25 MOA PER CLICK
LASER CLASS	Class 4

B.E. MEYERS & CO.

HAIL & WARNING

B.E. Meyers & Co. is an innovator in Escalation of Force technology. It began with the fielding of thousands of B.E. Meyers & Co. GLARE® Escalation of Force kits during Operation Iraqi Freedom, and with years of manufacturing and research experience under its belt, the company is the industry leader in visible-laser Hail and Warning capabilities. The B.E. Meyers & Co. GLARE® product lines break through language barriers, communicating clear warnings to potential threats with an unmistakable visual signal so that a person's intent can be reasonably determined before a lethal response becomes necessary.

PICTURED:

The United States Marine Corps has designated the B.E. Meyers & Co. LA-22/U as the sole source winner of the Ocular Interrupter System (OIS) program.

See page 47 for additional product information.



HAIL & WARNING SEGMENT DIRECTORY

GLARE® TECHNOLOGY	PG. 41
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GLARE® HELIOS	PG. 46
LA-22/U	PG. 47
GLARE® MOUT PLUS	PG. 48
GLARE® MOUT PLUS EPLM	PG. 49



IMMEDIATE. EFFECTIVE. UNMISTAKABLE

B.E. MEYERS & CO. GLARE® FAMILY OF GREEN LASERS ARE THE GLOBAL LEADERS IN ESCALATION OF FORCE.

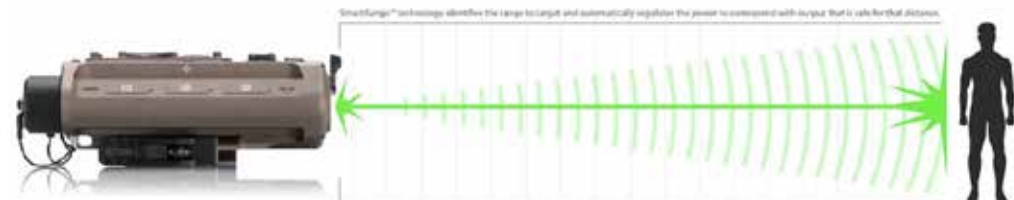
Since 2003, B.E. Meyers & Co. has provided those in defense of freedom a critical tool to help establish intent of potential threats. Beginning with the GLARE® MOUT, and then the GLARE® MOUT Plus, B.E. Meyers & Co. has successfully equipped U.S. soldiers in Iraq and Afghanistan at checkpoints and in convoys with a dazzling green beam that crosses language barriers and vast distances. Today, the GLARE® product line has expanded to include the GLARE® RECOIL, GLARE® HELIOS, and LA-22/U. These three systems build upon the success of their predecessors, and incorporate advanced features that make B.E. Meyers & Co. the undisputed leader in Escalation of Force solutions.

B.E. MEYERS & CO.

THE FUTURE OF HAIL & WARNING

THE GLARE® RECOIL IS NOW THE HAIL & WARNING STANDARD FOR THE USMC AND THE USAF.

The GLARE® RECOIL features patented EyeSafe™ and SmartRange™ technology to achieve a nominal ocular hazard distance (NOHD) of zero meters, as well as constant eye safe irradiance. It has been adopted as an ocular interrupter for both the United States Marine Corps, and the United States Air Force.



POWER + SAFETY

The GLARE® RECOIL allows the Soldier, Sailor, Airman, or Marine to provide immediate and recognizable visual warning from 4m to 20km and beyond while remaining at EyeSafe™ levels.





A MATTER OF SECONDS.

B.E. MEYERS & CO. HAIL & WARNING TECHNOLOGY HAS CHANGED HOW SOLDIERS INTERACT WITH POTENTIAL THREATS.

For over two decades, the U.S. Military has relied on B.E. Meyers & Co. Hail & Warning technology to provide its soldiers with tools that can establish the intent of potential threats, and serve as an intermediary option between verbal communication, and the use of lethal force.

The unmistakable green beam of the B.E. Meyers & Co. GLARE® products has been responsible for saving countless lives in combat zones where soldiers must effectively and

safely interact with civilians in high-threat areas. When every second counts, the intensely focused light can quickly communicate the need to stop or adjust course to approaching vehicles at checkpoints. The GLARE® products are the original “Laser Dazzlers”, and provide recourse when verbal communication is not an option. GLARE® is the additional tool needed to bridge the EoF gap.

RELIABLE AND EFFECTIVE.

The GLARE® MOUT PLUS has seen extensive use throughout Iraq and Afghanistan with over 12,000 units fielded as the U.S. Army's Green Laser Interdiction System (GLIS) Phase I Program of Record winner.



THE NEXT GENERATION

Responsible for innovating the way the U.S. Navy conducts long-range Maritime Hail & Warning, B.E. Meyers & Co. has advanced the GLARE® technology to include built-in safety mechanisms to protect Sailors and Marines from accidental exposure within the lasers NOHD (Nominal Ocular Hazard Distance) while remaining powerful enough to communicate with approaching vessels at the longer ranges needed at sea.

Today, the GLARE® LA-9/P, GLARE® MOUT, AND GLARE® MOUT Plus have largely been replaced by B.E. Meyers & Co.'s next generation of Hail & Warning lasers (the GLARE® RECOIL, GLARE® HELIOS, and LA-22/U). The purpose these products serve remains as relevant as ever on today's battlefields where soldiers and civilians are closely intermingled, and tactical decisions can have strategic consequences.



DEFENSE SYSTEMS | A MATTER OF SECONDS

ESCALATION OF FORCE

WITH B.E. MEYERS & CO. GLARE® TECHNOLOGY



The average visual reaction time for humans is 0.25 seconds.
A vehicle travelling at 45mph (72km/h) will close a 100m standoff distance in less than 5 seconds.

GLARE® RECOIL

REGULATED EMISSION COLLIMATED OCULAR INTERRUPTION LASER



EFFECTIVE EYESAFE™ HAIL & WARNING

The GLARE® RECOIL is an advanced Ocular Interruption System (OIS) capable of providing effective Hail and Warning for any Escalation of Force scenario. By integrating our patented SmartRange™ technology with our proven green laser capabilities, the GLARE® RECOIL allows the Soldier, Sailor, Airman, or Marine to provide immediate and recognizable visual warning from 4m to 20km and beyond while remaining at eye safe levels.

The powerful green beam sends an obvious signal to potential threats to halt or move away regardless of language barriers, by producing a powerful, veiling glare. This allows intent of potential threats to be determined in any environment. It is equally suited to either hand-held or weapon mounted use, or integrated into a remote weapons station.

PRODUCT SPECIFICATIONS

PART NUMBER	532-R1
WEIGHT	17.7 OZ W/BATTERY
DIMENSIONS	5.5" L X 3" W X 2" H
WAVELENGTH	532nm
POINT RANGE	VARIED
FLOOD RANGE	VARIED
MAX OUTPUT	250mW
POWER SOURCE	THREE (3) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.5 MRAD
LASER CLASS	CLASS 2M

GLARE® HELIOS

CLASS 1M OCULAR INTERRUPTION LASER



SMARTRANGE™ TECHNOLOGY

The GLARE® HELIOS is the only Class 1M ocular interruption device that is FDA approved for use by local, state, and federal law enforcement in the United States. Our patented SmartRange™ technology and proven Hail and Warning capability have been integrated into the GLARE® HELIOS to affect an immediate, directional, and EyeSafe™ visual deterrent in excess of several thousand meters, and is ideal for maritime interdiction operations.

The EyeSafe™ green beam sends a clear and undeniable visual signal that is effective at extreme ranges and in adverse conditions. The GLARE® HELIOS can be used in multiple configurations including hand-held, rail mounted, or integrated into other non-lethal systems including remote station operation. The device has the optional feature of mounting a red dot optic for daytime aiming, as well as a shoulder stock mount for increased stability in rough conditions.

PRODUCT SPECIFICATIONS

PART NUMBER	532-H1
WEIGHT	17.7 OZ W/BATTERY
DIMENSIONS	5.5" L X 3" W X 2" H
WAVELENGTH	532nm
POINT RANGE	VARIED
FLOOD RANGE	VARIED
MAX OUTPUT	250mW
POWER SOURCE	THREE (3) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.5 MRAD
LASER CLASS	Class 1M

DEFENSE SYSTEMS | HAIL & WARNING

LA-22/U

HIGH POWER OCULAR INTERRUPTION LASER



OCULAR INTERRUPTER SYSTEM

The LA-22/U is the sole source winner of the Ocular Interrupter System (OIS) program for the U.S. Marine Corps. An advanced Ocular Interruption System (OIS) is capable of providing effective Hail and Warning for any Escalation of Force scenario. By integrating our patented SmartRange™ technology with our proven green laser capabilities, the LA-22/U allows the Marine to provide immediate and recognizable visual warning from 4m to 20 km and beyond while remaining at EyeSafe™ levels.

The powerful green beam sends an obvious signal to halt or move away regardless of language barriers by producing a powerful veiling glare, and can be used to determine the intent of potential threats in any environment. It is equally suited to being used hand-held, weapon mounted, or integrated into a remote weapons station.

PRODUCT SPECIFICATIONS

PART NUMBER	532-VPS
NSN	5860-01-657-3893
WEIGHT	17.7 OZ W/BATTERY
DIMENSIONS	5.5" L X 3" W X 2" H
WAVELENGTH	532nm
POINT RANGE	VARIED
FLOOD RANGE	VARIED
MAX OUTPUT	250mW
POWER SOURCE	THREE (3) 3V CR123A
HOUSING	6061-T6 TYPE II ANODIZED
AZIMUTH & ELEVATION	0.5 MRAD
LASER CLASS	Class 3B

GLARE® MOUT PLUS

GREEN LASER ACTIVE RESPONSE EQUIPMENT



EVOLVING ESCALATION OF FORCE

The GLARE® MOUT Plus is a compact, lightweight, and rugged green beam Escalation of Force and visual deterrent laser. The GLARE® MOUT Plus provides an immediate and effective non-lethal warning at 600 meters and beyond. It is equally suited to be used hand-held, on a personal weapon, or directly attached to a vehicle mounted crew served weapon.

The GLARE® MOUT Plus offers a critical step between verbal warnings and kinetic response. It has seen extensive use throughout Iraq and Afghanistan with over 12,000 units fielded as the U.S. Army's Green Laser Interdiction System (GLIS) Phase I Program of Record winner.

PRODUCT SPECIFICATIONS

PART NUMBER	532P-MP
NSN	1265-01-662-5130
WEIGHT	12.4 OZ W/BATTERY
DIMENSIONS	7.9" L X 1.7" W X 1.8" H
WAVELENGTH	532nm
POINT RANGE	VARIED
FLOOD RANGE	VARIED
MAX OUTPUT	200mW
POWER SOURCE	TWO (2) AA BATTERIES
HOUSING	6061-T6 TYPE II ANODIZED
LASER CLASS	CLASS 3B

GLARE[®] MOUT PLUS (EPLM)

NON-LETHAL ESCALATION OF FORCE LASER - EXTERNAL POWER LASER MOUNT



REMOTE EOF CAPABILITY

Specifically designed to incorporate into standard Remote Weapon Stations, the 532P-MP-EPLMKIT (Externally Powered Laser Mount) incorporates a standard GLARE[®] MOUT PLUS into a remote-power and remote-fire capable configuration.

The GLARE[®] MOUT Plus offers a critical step between verbal warnings and kinetic response. It has seen extensive use throughout Iraq and Afghanistan with over 12,000 units fielded as the U.S. Army's Green Laser Interdiction System (GLIS) Phase I Program of Record winner.

PRODUCT SPECIFICATIONS

PART NUMBER	532P-MP-EPLMKIT
NSN	1265-01-662-5130
WEIGHT	20.2 OZ
DIMENSIONS	7.6" L X 2.2" W X 2.1H
WAVELENGTH	532nm
EFFECTIVE DISTANCE	600m
NOHD	20m
MAX OUTPUT	200mW
POWER SOURCE	6V DC
HOUSING	6061-T6 TYPE II ANODIZED
LASER CLASS	CLASS 3B



BUILT-IN SAFEGUARDS

SAFETY SYSTEM 1
SMARTRANGE™ TECHNOLOGY

The B.E. Meyers & Co. SmartRange™ technology ensures that the GLARE® RECOIL, GLARE® HELIOS, and LA-22/U are always EyeSafe™ and retains their zero NOHD rating.

SAFETY SYSTEM 2
ACCELEROMETER/ GYROSCOPE

The GLARE® RECOIL and HELIOS' internal accelerometer / gyroscope ensures the green beam never makes contact with a target before the SmartRange™ laser range finder technology is able to accurately calculate the target's distance and the safest beam power level.

SAFETY SYSTEM 3
NEAR FIELD DETECTOR

The GLARE® RECOIL's near field detector ensures there is no accidental dangerous exposure to the beam at ranges too close for the GLARE® RECOIL's laser range finder to effectively work.

B.E. MEYERS & CO.

WARFIGHTER SYSTEMS

With the Warfighter at the center of B.E. Meyers & Co.'s focus, the company provides product offerings that extend beyond its core capability of advanced photonics. In addition to pointing, illumination, and Hail and Warning, B.E. Meyers & Co. manufactures products that provide unparalleled advantages in signature reduction, as well as innovative HBMG mounting solutions.



WARFIGHTER SYSTEMS
SEGMENT DIRECTORY

BOARS - M2	PG. 55
BOARS - FCS	PG. 56
M2A1F	PG. 57
2300F	PG. 58

B.E. MEYERS & CO.

BOARS-M2

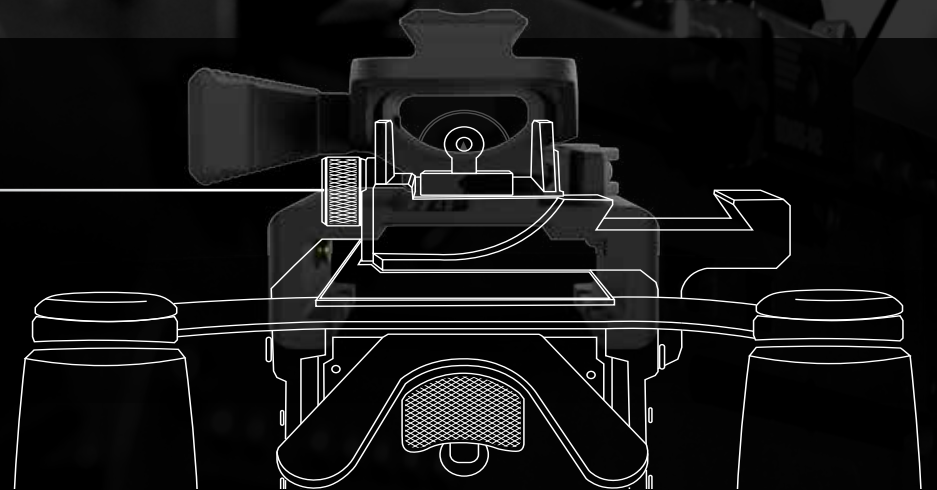
RUGGED. MODULAR. COMPACT.

With a small form-factor, and an innovative two-piece design, the BOARS-M2 is a next-generation optics and accessory rail system for the M2 .50 Cal. platform. With a BOARS-M2, your M2 .50 Cal. becomes the superior host weapon for the latest weapon enabling technology.

Legacy systems require the complete removal of the optic and mount (resulting in a complete loss of zero), whereas the BOARS-M2 only requires the quick-detach optics/accessory rail to be removed, thus preserving optic zero once all components have been re-installed.

IRON SIGHT PASS-THROUGH

The BOARS-M2 features an integrated iron sight pass-through aperture. This aperture can be used in conjunction with any mounted optic or laser, allowing for an extremely low defilade if targeting via iron sights is required.



MODERNIZE YOUR M2

The BOARS-M2 is comprised of two parts: the lower base and a quick-detach optics/ accessory rail. This allows for quick and effective changes between day and night optics without any loss of zero. In addition, cleaning and maintenance of the M2 50. Cal. Weapon platform with an optics mount is simplified with the BOARS-M2.

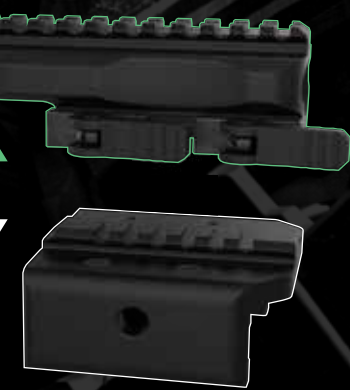
DETACHABLE RAIL



LOWER BASE

QUICK DISCONNECT

RETURN TO ZERO



LOW HEIGHT OVER RECEIVER

With an overall height measuring in at a diminutive 2.1 inches over the top of the receiver, the BOARS-M2 is almost half as tall as current optic / accessory mounting solutions.



BOARS-M2

M2 OPTICS & ACCESSORY RAIL SYSTEM



RUGGED. MODULAR. COMPACT

The BOARS-M2 (B.E. Meyers & Co. Optics & Accessory Rail System for the M2) is a low-profile mounting solution that offers a quick-disconnect with true return-to-zero reattach. The base of the mount is installed with friction clamps and is meant to remain on the host platform. The detachable rail can be removed and reattached at will, and will retain zero of all optics and laser systems mounted. The detachable rail incorporates rail segments for mounting most common laser systems in conjunction with a top mounted optic, while still clearing the gap in a M2 50. Cal shield.

The BOARS-M2 features the lowest profile of any current M2 optics mount and allows the user to keep their head as low behind the shield as possible while still having a pass-through to utilize the standard M2 iron sights if necessary. The entire design is snag free so as not to interfere with the operation of the host weapon. While designed to be left in place, the base of the mount can be easily removed as needed. Upon re-attachment, the BOARS-M2 will re-index to the same location without damaging the weapon surfaces.

PRODUCT SPECIFICATIONS

PART NUMBER	BOARS-M2
NSN	1240-01-682-8650
UPPER WEIGHT	16 OZ
LOWER WEIGHT	11.6 OZ
TOTAL WEIGHT	28.7 OZ
DIMENSIONS	7.5" L X 3.62" W X 3.22" H
UPPER HOUSING	6061-T6 TYPE II ANODIZED
LOWER HOUSING	7075 TYPE II ANODIZED

BOARS-FCS

M2 FCS OPTICS & ACCESSORY RAIL SYSTEM



DEDICATED MOUNTING SOLUTION

The BOARS-FCS is a dedicated mounting solution for the Aimpoint® FCS multipurpose optic. When paired with a BOARS-FCS, The Aimpoint® FCS can be mounted at the lowest possible defilade on a M2 .50 HMG. The Upper is fully compatible with the BOARS-M2 lower, and allows for interchangeable optics on your M2 platform. The BOARS-FCS features a removable top mount, allowing the operator to remove the FCS optic for cleaning or secure storage, and reattach without losing zero.

The BOARS-FCS features a pass-through to utilize the standard M2 50. Cal. iron sights if necessary. The entire design is snag free so as not to interfere with the operation of the host weapon. While designed to be left in place, the base of the mount can be easily removed as needed. Upon re-attachment, the BOARS-M2 will re-index to the same location without damaging the weapon surfaces.

Aimpoint® is a registered trademark of Aimpoint AB

PRODUCT SPECIFICATIONS

PART NUMBER	BOARS-FCS
UPPER WEIGHT	13.6 OZ
LOWER WEIGHT	11.6 OZ
TOTAL WEIGHT	25.2 OZ
DIMENSIONS	5.8" L X 3.62" W X 3.175" H
UPPER HOUSING	6061-T6 TYPE II ANODIZED
LOWER HOUSING	7075 TYPE II ANODIZED

M2A1F

FOUR-PRONG FLASH HIDER



IMPROVED SIGNATURE REDUCTION

The B.E. Meyers & Co. M2A1F Flash Hider is designed for complete compatibility with the General Dynamics M2A1 heavy machine gun platform. The left-hand thread pitch allows for quick and easy installation on any M2A1 barrel, and provides increased signature reduction capabilities. The reduced flash also improves operator effectiveness when employing night vision devices for targeting. The M2A1F kills any signature conditions from muzzle flash that can hinder line of sight, targeting and situational awareness.

The M2A1F Flash Hider does not negatively affect the cyclic rate of the short recoil M2 system, and represents only a small increase in overall length of the weapon platform when compared to legacy M2 variants with no flash suppression devices installed.

PRODUCT SPECIFICATIONS

PART NUMBER	M2A1F
CALIBER	.50 Cal (12.7 mm)
WEIGHT	16.17 OZ
DIMENSIONS	4.625" L X 1.49" DIAMETER
TORQUE	20-50 ft. lbs.
THREADS	1 1/8-12 LEFT HAND

2300F

M2 FOUR-PRONG FLASH HIDER



UNINTERRUPTED VISIBILITY

The 2300F Flash Hider allows heavy weapon gunners to effectively engage targets with virtually no muzzle flash. Fielded to combat units for the last 20 years, the 2300F provides the most dramatic reduction of visible flash for the M2 HBMG, preventing flash blindness and allowing the gunner to maintain uninterrupted visibility of the target.

The 2300F Flash Hider does not require a threaded barrel, and is instead mounted to the barrel via a floating locking collar and locking ring. After the collar has been placed over the muzzle, the collar is then threaded onto the four-pronged flash hiding component for maximum compatibility across M2 HBMG platform variants.

PRODUCT SPECIFICATIONS

PART NUMBER	2300F
NSN	1005-01-448-7722
CALIBER	.50 Cal (12.7 mm)
WEIGHT	2.216 lb (1 kg)
DIMENSIONS	8.75" L X 1.87" DIAMETER

BRAND AMBASSADORS

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We are proud to partner with this select group of Subject Matter Experts who represent the B.E. Meyers & Co. products and brand across the US to a wide variety of military, government, law enforcement, and civilian end-users.

They are masters of their craft and continually work to not only enhance the skills of their students, but also seek to evolve their own skills as trainers and stay at the forefront of the ever-changing tactical environment.



JOHN CHAPMAN
URBAN OPERATIONS
NASHVILLE, TN

John Chapman (Chappy) joined the Navy at 18. After an enlistment served on the USS Memphis, embarked on a law enforcement career while attending college. After 16 years of service spanning 4 agencies, with service in Patrol, SWAT, Investigations, Training and Administration, Chappy left full time police service and began training police officers full time in 2008.

Best known as a SWAT and Night Vision instructor, Chappy continues to teach at Forge Tactical, and serves as an Auxiliary Police Officer with the Alliance, Ohio Police Department, where he serves as an SRT Team Leader.



CHUCK PRESSBURG
DIRECT ACTION
SAMMAMISH, WA

SGM(R) Pressburg retired from the Army on 1 Jan 2017 after over 26 years of active service, mostly in Special Operations and Special Missions Units. After Infantry and Airborne Training in 1990, Chuck completed the Ranger Indoctrination Program and was assigned to the 1st Bn, 75th Ranger Regiment.

Chuck Pressburg now runs Presscheck Training and Consulting (founded in 2015) to provide training to Military, Law Enforcement and vetted civilians in marksmanship, tactics, Close Quarters Combat, Urban Operations, and Night Vision as well as other restricted subject matter.





CAYLEN WOJCIK
PRECISION RIFLE
YAKIMA, WA

Caylen Wojcik began his career in the United States Marine Corps as an infantryman, and quickly moved into the scout/sniper community where he served as an instructor at the Scout/Sniper Basic Course, as well as the 1st Special Operations Training Group for the Urban Sniper and Urban Reconnaissance and Surveillance courses.

Caylen is an avid backcountry hunter and precision rifle competitor, and uses these disciplines to formulate new training programs that create more effective shooters.



JARED RESTON
URBAN OPERATIONS
JACKSONVILLE, FL

Reston began his law enforcement career as a patrol officer with Jacksonville Sheriff's Office in 2000. In 2004 Reston became a member of JSO's full-time SWAT Team, where he trained in waterborne insertion and interdiction, K9 tactics, CQB, explosive breaking, less lethal, sniper, and assault tactics. Additionally, Reston served as an assigned Detective in the Department of Homeland Security/ Gang Investigations unit, and as the assistant team leader, and lead firearms instructor for the SWAT team. His career includes the successful completion of over one thousand SWAT missions.



BILL BLOWERS
URBAN OPERATIONS
PUYALLUP, WA

Bill served in the US Army for 6 years and has been a Police Officer for over 25 years. He has spent the bulk of his LE career assigned to SWAT holding positions as a Sniper, Ballistic Shield Man, Mechanical/Ballistic Breacher, Assistant Team Leader and Team Leader on a large and busy regional SWAT team.

He has planned or participated in approximately 1500 missions, he has over 5000 hours of documented training time, and holds instructor certifications in a variety of SWAT related topics.



MICHAEL BACCELLIERI
PRECISION RIFLE
BEAVERTON, OR

Michael "Buck" Baccellieri started his military career in the Oregon Army National Guard at the age of 17. He transitioned to the United States Marine Corps where he served as a Scout in a Surveillance and Target Acquisition platoon at Camp Pendleton. Five years later, Mr. Baccellieri returned to the Oregon Army National Guard, where he served as a sniper team leader.

Michael Baccellieri now works for Leupold & Stevens Inc. as the lead optics and firearms instructor for all military and law enforcement training.

CONTACT

ISO 9001:2015 CAGE: 6U501

CONTACT B.E. MEYERS & CO.

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PHONE: 425-881-6648 // 1-800-327-5648

FAX: 425-867-1759

B.E. Meyers & Co. is committed to providing its customers with the highest level of service, and can be reached by phone or email at its Redmond headquarters between the hours of 8am PST & 5pm PST, Monday - Friday. If you have any product, sales, or general inquiries we are happy to assist you.

For inquiries regarding sales, email us : SALES@BEMEYERS.COM

For product / general inquiries, email us : INFO@BEMEYERS.COM

OEM SERVICES

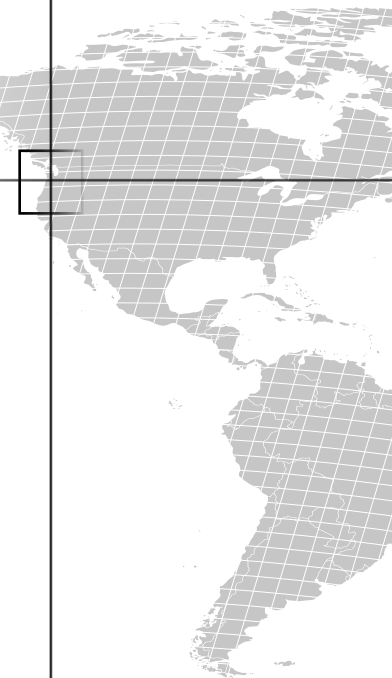
The Engineering Group at B.E. Meyers & Co. has extensive experience in all aspects of new product development. This includes product definition, project management, rapid prototyping, design for manufacturability and test, product design qualification and validation to military and commercial standards, custom manufacturing tooling, and high-volume assembly line design.

In addition, the Operations Group provides a full-service product delivery system utilizing the efficiencies of an Enterprise Resource Planning (ERP) System. Our team includes a Manufacturing Technology Group to support manufacturing engineering, process engineering, repair service, and statistical process control support. Supplier relationships and our robust supply chain allow us to be very responsive to customer delivery expectations.

For inquiries regarding OEM services, email us : INFO@BEMEYERS.COM

**B.E. MEYERS & CO.
CORPORATE & MFG. HQ**

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INTERNATIONAL REPRESENTATION

B.E. Meyers & Co. works with a wide range of representatives, dealers and distributors across the globe. If you have any product or sales inquiries for B.E. Meyers & Co., and are located outside of the United States, please contact us to obtain the contact information for the dealers, distributors, or sales representatives that operate in your region. We pride ourselves on manufacturing products for a global market, and are equipped to meet your needs in any region of the world.

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