



APPLIED RESOLUTION TECHNOLOGIES

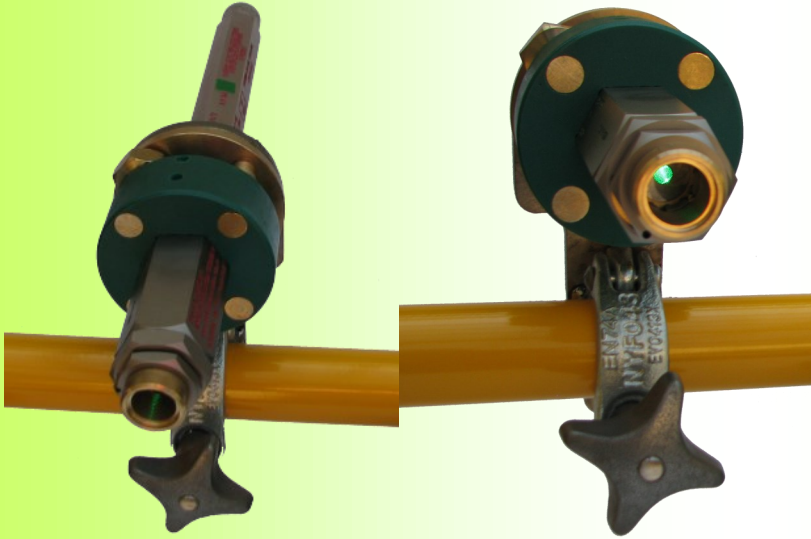
Laser application technologies : Mining, Oil & Gas, Agriculture, Industrial

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THE WORLD'S FIRST DIRECT GREEN LASER DIODE INTRINSICALLY SAFE, IECEX CERTIFIED LASER FOR ANY HAZARDOUS ENVIRONMENT USE.

BLX-515S :

FOR MANY YEARS COAL MINERS HAVE ASKED ABOUT THE POSSIBILITY OF GREEN RATHER THAN RED. 5X MORE VISIBLE, TWICE THE RANGE OF OTHER IS LASERS. SAFE. TOUGH. EFFICIENT.



The BLX-515S is a Class 2M alignment laser system used in hazardous environments such as underground mining or conveyor alignment applications. The laser is robust enough for the toughest environment. The BLX-515S is a sensor enabled green version of the red BLX-635S which will work with laser sensing systems.

It's visible green beam is safe to use under all conditions, and the precision alignment of the laser beam axis to the body axis allows simple and precise alignment. Range is OVER 700 metres!!!

Intrinsically safe by design. Tough. Rugged. Efficient. Safe.

For many years you have been limited to either red Intrinsically Safe lasers, or some inefficient green laser systems that use complex and unstable technologies. Now, with the release of direct green laser diodes, we are able to offer the very first Intrinsically Safe, Long Range laser product that provides a bright green beam that is visible in the air under low ambient light conditions or with dust. Safe for Mining, safe for construction. Internationally Certified to IECEX Standards.

HIGHLY VISIBLE. TOUGH. ROBUST. SAFE. While our competitors still provide highly inefficient DPSS lasers, ART is at the forefront of new direct green diode technology. Talk to us about the available options.

CERTIFICATION

- **IECEX SIM 13.0005** Ex ia I/IIB T1
- Certified to IEC 60079.11 : 2011
- Supported by Quality Management to IEC 80079-34
- Supported by IECEX SIM S0003 Service Facility Certification
- The BLX-515S laser has a 20mm diameter exit beam, which enables up to 5mW laser power for Class 2M under IEC 60825-1.
- Meets the Legislation for use in underground tunnelling and mining.

APPLICATIONS :

- Underground survey and alignment
- Continuous Miner guidance
- Tunnelling, boring
- Tunnel and excavation guidance
- Coal Conveyor Alignment
- Mining and Industrial Automation
- Oil and Gas facility alignment...

Manufactured, maintained and serviced in Australia.

AUTOMATION READY WITH MODULATION

Specifications :

- Visible laser 515nm (green) < 5.0mW in 20mm diameter, Class 2M
- Working range > 700 m
- Compliant with Standards :
 - IEC 60079-0:2011
 - IEC 60079-11:2011
 - IEC 60825.1:2011
- 400mm long
- Beam aligned to laser body using proprietary means.
- 5 or 6 x C-Cell batteries PLUS new 6 x D-cell Battery module for over 10 days continuous operation.
- Optional removable IS battery modules, using C and AA cells
- Reverse battery polarity protection and in-built fusing for intrinsic safety compliance
- Long battery life
- Simple rotary on/off switch with nylon-tipped set screw lock.
- Protective laser window
- Certification information engraved into the laser body for permanent label.
- Optional carry case.
- Optional iris accessory
- 90 and 110 degree prisms.
- FRAS approved mounting and adjustment systems



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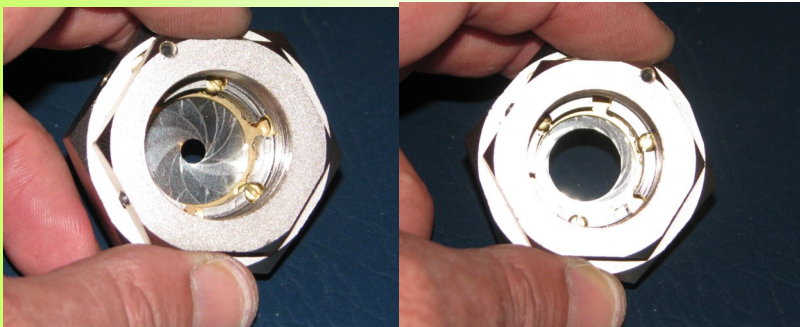
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BLX-515S :

THE WORLD'S FIRST DIRECT GREEN LASER DIODE INTRINSICALLY SAFE, IECEx CERTIFIED LASER FOR HAZARDOUS ENVIRONMENT USE. GREAT FOR UNDERGROUND COAL MINING, SUITABLE FOR USE IN AIRCRAFT REFUELLING ZONES, AND A MUST-HAVE TOOL FOR COAL CONVEYOR ALIGNMENT

ACCESSORIES :

- FRAS Approved materials used in BLX-XY mounting and adjustment system
- DUAL IRIS ACCESSORY FOR DROP-DOWN ALIGNMENT PRECISION
- MANUALLY ADJUSTED IRIS TO NARROW THE BEAM FOR FOR PRECISE LASER ALIGNMENT
- 90 DEGREE PRISMS, 110 DEGREE PRISMS
- ROOF BOLT MOUNTING SYSTEM FROM M24 THREADS
- CARRY CASE
- LASER SENSOR SYSTEM (DUE 2015) FOR PRECISION ALIGNMENT WITHIN 20MM OVER 1KM!!!!!!)
- Intrinsically Safe CERTIFIED REMOVABLE BATTERY MODULE VERSIONS



Adjustable IRIS system to aperture the beam down to 1mm for close-up, precise alignment.



Convenient carry pouch, highly visible, leather padded, hanging loop and belt clip.