



APPLIED RESOLUTION TECHNOLOGIES

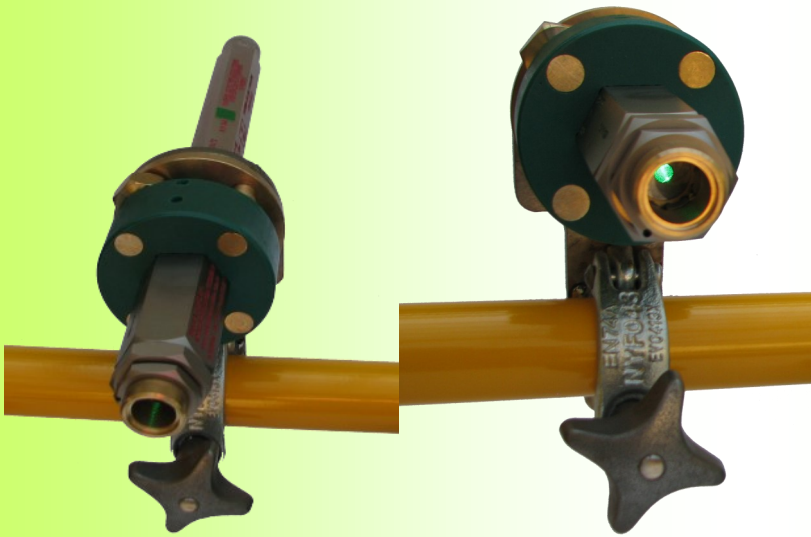
Laser application technologies : Mining, Oil & Gas, Agriculture, Industrial

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BLX-515S :

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

25 YEARS OF EXPERTISE IN LASER APPLICATIONS TECHNOLOGY HAS CULMINATED IN THE BLX-515S, TWICE THE RANGE OF OTHER Intrinsically Safe (IS) LASERS. SAFE. TOUGH. EFFICIENT. DIRECT LASER DIODE TECHNOLOGY NOT AVAILABLE IN LD MODLE LASERS.



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.

HIGHLY VISIBLE. TOUGH. ROBUST. SAFE. While our competitors still provide highly inefficient DPSS lasers, ART has been at the forefront of new direct green diode technology since 2012. DPSS lasers contain high power IR and high peak power currents, with annoyingly modulated green output. Check IECEx 60028.

Available with either integrated battery unit or removable Intrinsically Safe battery module (BB-5C), the BLX-515S uses 5 x C-cell batteries .

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. Optional adjustable IRIS for close-range alignment.

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 60079-0:2019
 - IEC 60079-11:2019
 - IEC 60825.1:2011
- 400mm long
- Beam aligned to laser body using proprietary means.
- 5 or 6 x C-Cell batteries .
- Optional removable IS battery modules, using C 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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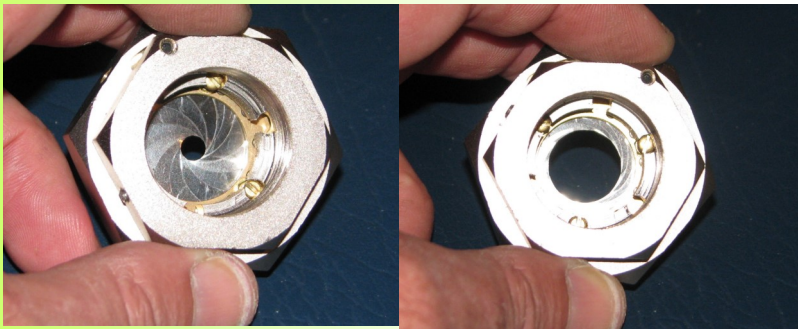
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ACCESSORIES :

- FRAS Approved materials used in BLX-XY mounting and adjustment system
- MANUALLY ADJUSTED IRIS TO NARROW THE BEAM FOR PRECISE LASER ALIGNMENT
- 90 DEGREE PRISMS, 110 DEGREE PRISMS
- ROOF BOLT MOUNTING SYSTEM FROM M24 THREADS
- CARRY CASE
- 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.

