

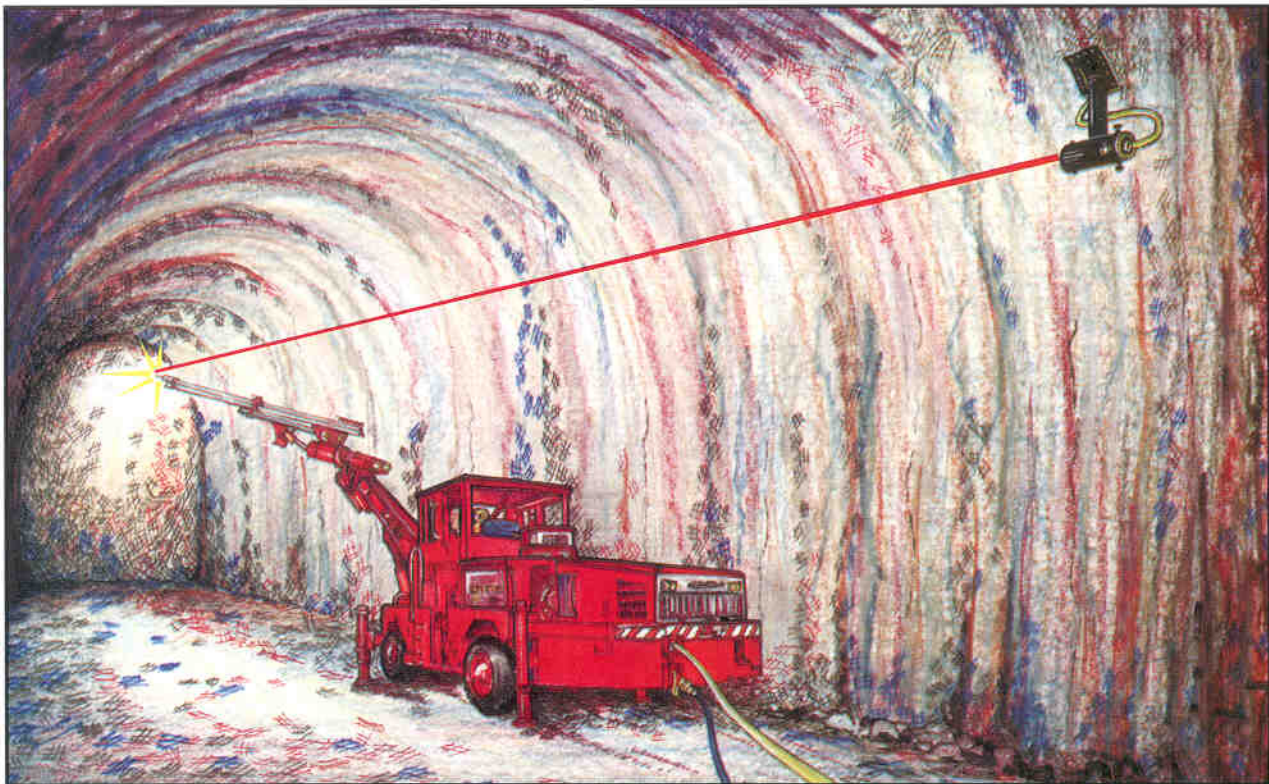
# Bramall Laser Systems

## **MK7 ALIGNMENT LASER** – *complete control of tunnel alignment*

### **FEATURES**

- **Small and portable**
- **Rugged and waterproof**
- **Low power consumption**
- **Long life**
- **Easy mounting**

The Mk7 TCL has been specially designed for the demanding conditions that exist in many of today's tunnels, mines and drifts. The unit emits a bright red beam of light which is focussed over a long distance to give a quick and accurate reference to ensure the excavation of straight tunnels and roadways. By using one of the many mounting systems available the laser can be quickly installed and surveyed to achieve the required direction then simply left for the excavation team to follow the beam – ensuring perfect tunnel alignment 24 hours a day! The unit is available in two types for working over short or long distances.



**Today's economical solution – Tunnel and roadway alignment – Mk7**

**Instant straight line reference for:**

- **Conveyors, track, lifts – accurate installation** – accurate installation saves wear and tear therefore costs.
- **Longwalls** – improves head and tailgate alignment increasing equipment efficiency.
- **Continuous miners, roadheaders** – provides constant reference – less excavation - cost reduction.
- **Development ends, drifts, tunnels** – better accuracy, less excavation – smaller amount of material to remove.
- **Extending survey pegs** – can cut survey time by 50% when used by unskilled labour to extend reference spads.

## SPECIFICATION

Laser	: 635nm
Power Output	: Class 2 or 3A - 1mW - 5mW (please specify when ordering)
Range	: Type S approx 250m : Type L approx 500m (depending on atmospheric conditions)
Power supply	: Type S - 4.5v - 3 No "C" cell batteries : Type L - 12vDC either battery or transformer
Temperature range	: -10 to 40 degrees C
Warranty	: 12 months parts and labour
Special Models	: Intrinsically safe version for gassy environments

## Mountings available to suit many excavation methods

Drill & Blast  
TBM  
Roadheader  
Jumbo Drill

2020/2 Spad Hooks  
(shown with Mk7 S)



2020/22 X-Y Mount



2020/10 X-Y mount



2020/1 Fine X-Y with  
2030/9/1 Tribraich & Adaptor



2020/1 Fine X-Y with  
2030/21 Fixing Plate



2020/9 Plinth c/w,  
2020/5 tube mount

For More Details of mounting systems please contact your local dealer

### Manufacturer:

Bramall Laser Systems (IOM) Ltd.  
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British Isles. IM9 6HE

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### Dealer:

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KEWANEE, ILLINOIS 61443  
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