

# Mining Laser



## Underground Alignment Laser MTL1-SL

### Achieve up to 50% less Underground Survey Time



The surveyor uses a total station to determine the laser position on the wall. This point is parallel to the direction point on the heading face.



A hole is drilled into the wall in the basic direction of the laser beam. Critical alignment is not required while drilling.



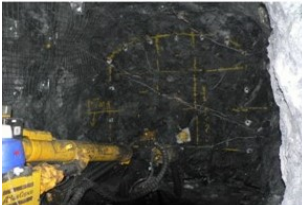
The laser sleeve is glued into the hole. This becomes the permanent mount for the laser.



Before the glue is set the laser is placed into the sleeve and critical alignment is done. The glue is now allowed to set and hold the sleeve permanently in place.



The completed laser station, sleeve with laser in place, identified and numbered. The laser is removed and stored after each reference is taken.. Only the sleeve is permanent.








From the new laser reference on the face the drilling grid can be marked out. This is done by the drill operator, the surveyor is only required for a heading direction change.



This handy lightweight stainless steel (316) PENCIL LASER complies with USA performance and has over 100 hours continuous use - about 4-6 months work.



Lightweight Carry Case, Plastic Insert Sleeve and Pencil Laser

-  The MTL-1-SL has been used extensively throughout mines in Australia for over 14 years.
-  The MTL-1\_SL is 195mm long and slides in and out of the disposable common electrical plastic tube (16mm OD) - 155mm long. Drill a hole 18mm diameter into the wall face to a depth of 155mm for the plastic tube. This leaves the laser head protruding out 50mm from the wall.
-  When finished using the laser, remove and place in cylindrical carry case tube 230mm long x 45mm diameter.
-  Serial numbers are engraved on each MTL-1-SL
-  One year warranty



Pencil Laser shown inside disposable plastic sleeve



Rear on/off switch

For further information please call or email us

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