

ASER MEASUREMENT SYSTEMS

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Laser distance meter LD90-2 (earlier version) with protection tube



Glowing slab on a rolling mill, positioned by LD90-2 laser distance meter





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During normal mill operation with *5* saw gauge the laser shall be active for positioning the gauge, the beam will be active and during these operations there shall be no reason that personnel would be in the path of the beam due to hot steel on the table rolls. The laser will be controlled by finishing end PLC and the beam shall be turned off automatically whenever there is no product being run to 5 saw. The beam will also be automatically turned off during non-production turns.

The laser unit proper which is mounted on an hoffman enclosure inside 5 saw pulpit shall be padlocked and only authorized Mtce personnel shall have access to the unit. the only mtce procedures would be to check the alignment and clean the lense, in this case mtce personnel shall follow established lock-out procedures when servicing the unit.



Remote sending & reflecting lens, mounted under 5 saw pulpit, elevation 9 feet above table rolls.



Beam is transmitted to 8 in. stainless target mounted on 5 saw gauge, elevation 9' above rolls.



Laser unit mounted in hoffman enclosure inside 5 saw pulpit. Signals sent to remote lens via fiber optic cable. Cabinet will be padlocked.



Laser warning signs @ south east corner of 5 saw.



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