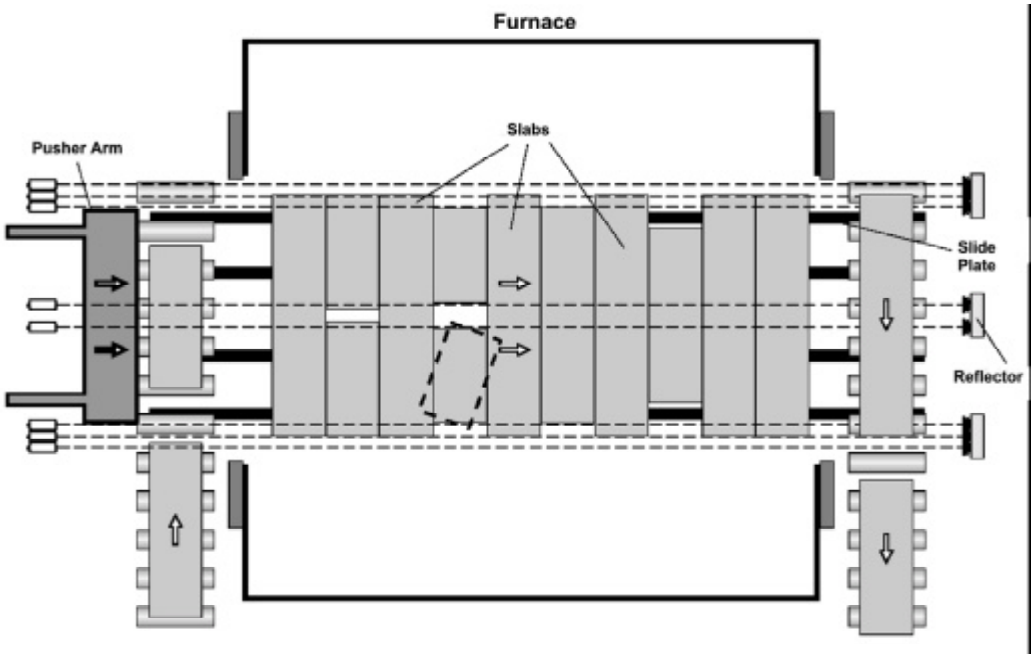
MODULOC® Control Systems

TECHNICAL BULLETIN NO. TB-ELDP-1003-001

ELDP LASER DISTANCE METERS - APPLICATION NOTES

Application: Controlling and monitoring the slab position in front of and in a pusher furnace.



Description: Slabs are centred in front of the furnace inlet before being pushed inside. At the moment, positioning is carried out by watching these on a monitor. If the slabs are incorrectly positioned, they can pile up and damage the tungsten coating of the guides or the furnace itself.

Solution: A laser distance-measuring unit aims right through the furnace at a reflector. If a slab is not centred, the laser beam is interrupted and a difference in distance is detected.

Advantages:
- simple installation
- no receiver necessary
- no elaborate cooling as installation is outside the furnace
- monitoring range can be limited to the interior of the furnace by two adjustable set-points
- high functional reliability with self-test and reference measuring to reflector or natural target

MODULOC® Technology - The Total Laser Solution

MODULOC® Control Systems Ltd.
St. Albans, Hertfordshire AL2 1JG United Kingdom
Phone: +44 (0)1727 821313 FAX: +44 (0)1727 826804
E-Mail: sales@moduloc-intl.com Website: www.moduloc-intl.com

MODULOC® Control Systems, Inc.
134 Painter Street, Pittsburgh, PA 15085-1333 USA
Phone: 412-646-1260 FAX: 412-374-9440
E-Mail: sales@moduloc-usa.com Website: www.moduloc-usa.com

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