ROLLCHECK® MINI-XL

LASER ROLL ALIGNMENT SYSTEM:
ACCURATE ROLL ALIGNMENT

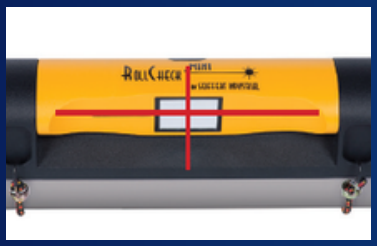
The RollCheck® MINI-XL laser alignment system is a lightweight, compact, and durable solution for parallel roll alignment. Using supplied straps, it mounts to rolls 1” – 12” OD. Proven reflected laser beam technology provides maximum angular resolution for reliable, accurate visual readings.

A laser line is projected from the **transmitter** to a **reflector** mounted on the roll being checked. The projected line indicates vertical alignment relative to the stationary reference roll, while the reflected beam confirms parallelism between the rolls.

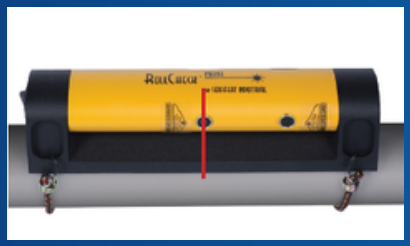
Easy to use, the system enables a single operator to complete alignment in minutes with no training required. The RollCheck® MINI-XL is supplied in a durable carrying case.

KEY BENEFITS

- Reduce downtime and product waste
- Increase production efficiency
- Fit into tight spaces
- Fast and easy to use
- Require no training
- Enable single-person operation
- Support more frequent roll inspections
- Deliver rapid ROI
- Utilize proven reflected laser beam technology



Rolls are aligned vertically when: Horizontal line coincides with the horizontal groove on the reflector unit.



Rolls are parallel when: Vertical reflected line coincides with the vertical groove on the laser transmitter unit.

1 (800) ROLLERS | sales@finzerroller.com
finzerroller.com
880 West Thorndale Avenue
Itasca, Illinois 60143

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PARALLEL ROLL ALIGNMENT SYSTEM TO MEASURE AND CORRECT VERTICAL AND HORIZONTAL ANGLE BETWEEN TWO ROLLS

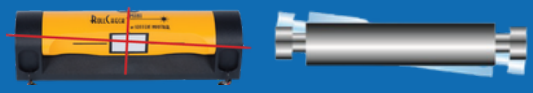
RollCheck® MINI-XL is a laser roll alignment system for accurate visual alignment of process rolls during replacement. A Laser Transmitter mounted on a stationary roll projects two laser lines to a Reflector on the roll being adjusted, allowing the operator to view both vertical (pitch) and horizontal (parallel) alignment for precise positioning.

By eliminating trial-and-error adjustments, RollCheck® MINI-XL reduces scrap, downtime, and production losses while improving roll maintenance efficiency.

SIMPLY MATCH THE LASER LINES WITH THE REFERENCE LINES SEE THE RESULTS IN SECONDS

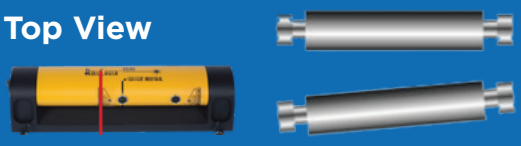
MISALIGNED EXAMPLES

Front View



Roll to be moved is not on the same horizontal plane as the stationary roll.

Top View

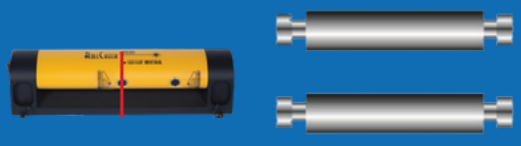


Reflected laser line indicates the roll is not parallel (left side shown). A similar indication would be seen on the right side for a parallel-right condition.

ALIGNED EXAMPLES

Front View

Roll to be moved is on the same plane as the stationary roll.



Reflected line shows the rolls are parallel to one another.

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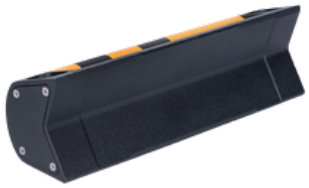
TRANSMITTER MODEL SX-4150T

Operating Distance:	Max. 12 ft.
Accuracy:	< 0.001”/ft.
Laser Type:	2 ea. 532nm visible laser lines, 45˚ full angle
Laser Power:	< 1mW, Class 2
Safety Precautions:	Do not stare into beam
Laser Compliance:	CFR parts 1040.10 and 1040.11
Laser Line Thickness:	0.017”
Laser Calibration:	Factory calibrated, check yearly
Environmental Protection:	Water resistant, dust proof and impact resistant
Controls:	Laser ON/OFF rocker switch
Battery Type:	Rechargeable lithium Ion battery
Operating Time:	14 hours continuous at 72˚F
Temperature:	Operating: 15˚ to 104˚F Storage: -4˚ to 140˚F
Frame:	Rigid aluminum frame, powder-coat paint finish
Laser Housing:	Aluminum, powder-coat paint finish
Mounting Diameters:	Diameters up to 12”
Mounting Straps:	Set of 2 attachment straps included: 2 ea. 10” bungee straps for diameters up to 4”
Weight:	1.6 lbs.
Dimensions:	8.5” W x 2.46” D x 2.0” H

REFLECTOR MODEL SX-4150R

Reflector Size:	1” x 1.4”
Frame:	Rigid aluminum frame, powder-coat paint finish
Reflector Housing:	Aluminum, powder-coat paint finish
Mounting Straps:	Set of 2 attachment straps included: 2 ea. 10” bungee straps for diameters up to 12”
Weight:	1.5 lbs.
Dimensions:	8.5” W x 2.46” D x 2.0” H



V-bracket with straps holds the RollCheck® MINI firmly in place

CARRYING CASE

Black high-density polyethylene case with die-cut foam insert. Dimensions: 17" W × 12" D × 4.125" H. Case weight: 2.21 lbs.; total system weight: 5.3 lbs.

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