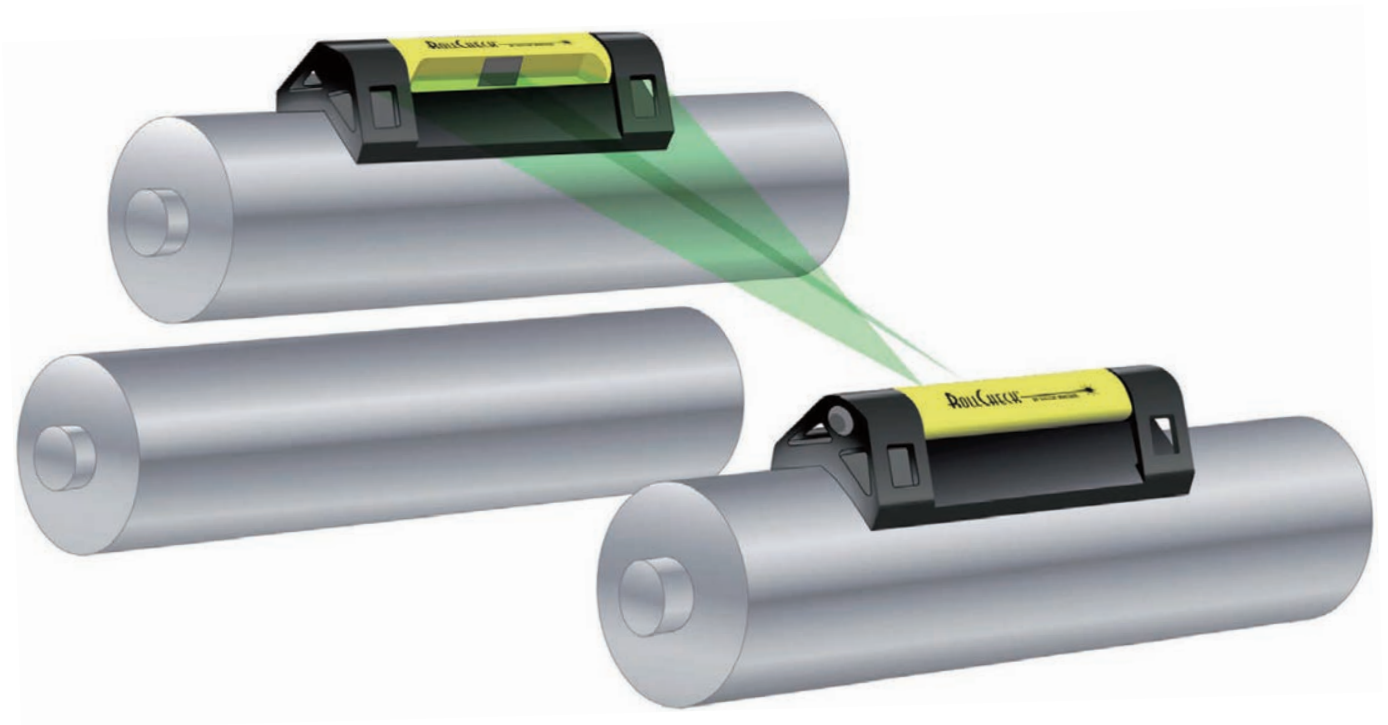


ROLLCHECK®

Laser Alignment Tool for accurate
Visual Alignment of Rolls

BY SEIFFERT INDUSTRIAL



Overview of Advantages

- ✓ Reduces down time and product waste due to misalignment of rolls
- ✓ Increases production with proper alignment of rolls
- ✓ Compact design, fits into small spaces
- ✓ FAST and EASY to use
- ✓ No training required
- ✓ One-person operation
- ✓ Facilitates more frequent roll checks
- ✓ Pays for itself quickly
- ✓ Uses proven reflected laser beam technology
- ✓ Used for shots up to 3m

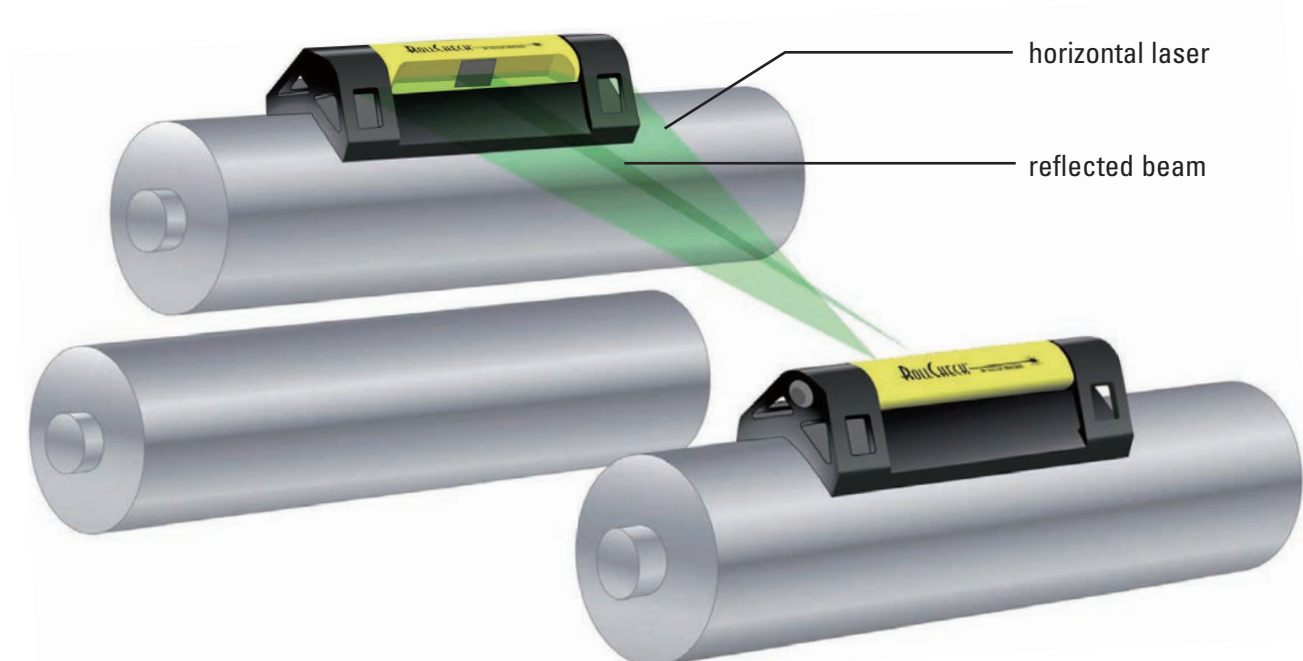
RollCheck®

An ideal tool for Roll Parallelism Alignment

Roll Alignment is a serious business.

It requires a great deal of skill and experience to do it well using traditional surveying methods. Rollcheck in the hands of fitters or maintenance people makes this job practical, rapid and precise. The RollCheck® Green laser alignment system for parallel roll alignment is lightweight, compact and durable. The system can be magnetically attached to just about any size roll or attached with the supplied straps. We use our proven reflected laser beam technology for maximum angular resolution, thus providing you with the most reliable and accurate visual reading. Using the latest in Green laser diode technology makes our green laser line 10x's brighter to the operator than a red laser line.

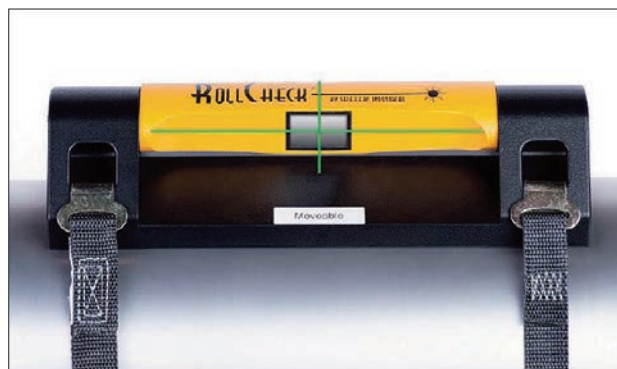
The RollCheck® can measure spans up to 3 m or better from roll to roll of any size, large or small. A laser line is projected from the RollCheck® transmitter to the reflector mounted on the roll to be checked or aligned. The laser line projected to the reference line on the reflector indicates immediately if the roll is aligned vertically to the stationary roll. The laser line is then automatically reflected back to the transmitter's reference line indicating if the rolls are parallel to one another. This system is very easy to use; a single person can perform the alignment task in minutes with no training! The RollCheck® comes in its own durable carrying case.



Visual Roll Alignment

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.



Simply match the green laser lines with the black reference lines on the RollCheck.® You will see the results in seconds.

Examples of roll misalignment

Examples of rolls that are in alignment

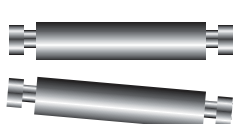
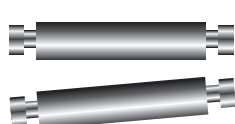
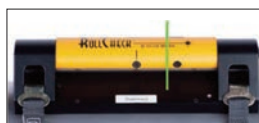
Front View

Top View

Top View

Front View

Top View



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

Reflected laser line shows the roll is not parallel-left.

Reflected laser line shows the roll is not parallel-right.

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

Reflected line shows the rolls are parallel to one another.

Technische Daten der RollCheck Familie

Battery:	Li-Ion
Operating Time:	16 – 20 h at 22°C
Temperature:	Operation: $\pm 0^{\circ}\text{C} - +52^{\circ}\text{C}$ Storage: $-20^{\circ}\text{C} - +60^{\circ}\text{C}$
Housing:	Aluminium

Laser power:	< 1 mW, class 2
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Laser calibration:	every year
Environmental protection:	Water resistant, dust proof and impact resistant
Accuracy:	< 0,1 mm (depending on setup)
Laser type:	2 Pcs. 532 nm visible green Laserlinie, 45° angle

RollCheck 100 (for rolls from 10 up to 110 mm)



Transmitter

Laser beam:	red, 3 m distance
Weight:	700 g
Size:	216 x 62 x 50 mm

RollCheck 200 (for rolls from 15 up to 2500 mm)



Transmitter

Laser beam:	green, 3 – 5 m distance
Weight:	2200 g
Size:	280 x 108 x 76 mm

RollCheck 300 (for rolls from 150 up to 3000 mm)

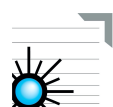


Transmitter

Laser beam:	green, 3 – 5 m distance
Weight:	4000 g
Size:	305 x 420 x 150 mm



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