

RAIL-check



Software-Extension *RAIL-check*

RAIL-check – Version 2.0

New possibilities for even more efficient measurements:

- Overlapping measurements
- Measuring with compensation

RAIL-check

RAIL-check – Version 2.0

1. Measuring with compensation of the reference ruler deviations

Until now the deviations of the reference ruler flue directly into the measurement result.

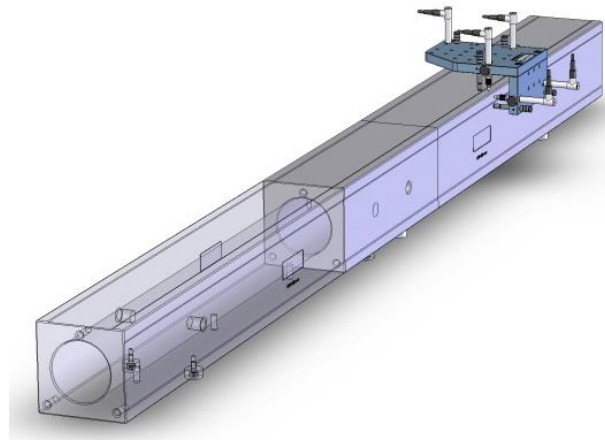
In the new version of RAIL-check, the deviation of the reference ruler is stored as compensation file. During the measurement these data will be used and computed.

Basically it can be said that measurements with a ruler is the most accurate way to carry out straightness-measurements. Neither Laser nor autocollimator-systems can hold up within this precision on moving linear axes. With the described new option highest precision can be realized in the simplest way.

2. Overlapping measurements / merging files

Optionally two or even more measurements can be lined up together. Since the single measurements can be carried out in highest precision and due to the dynamically measurement which is delivering a huge amount of data, the possibility of lining up measurements is well given. An overlapping range of approximately 1/5 until 1/3 of the length is therefore useful.

The method is extremely reliable and precise, especially if measuring with the compensation of the reference ruler, as described under point 1. The possibility of lined up measurements meets a customer's desire to measure also longer axes with the well proven system RAIL-check without using a special long reference-ruler.



Additionally, various small improvements have been realized. Thanks to these novelties the system RAIL-check has been improved even more.



Kunz precision AG
Riedtalstrasse 16
CH-4800 Zofingen
Switzerland

Fon +41 (0)62 746 00 20
Fax +41 (0)62 746 00 21
mailbox@kunz-precision.ch