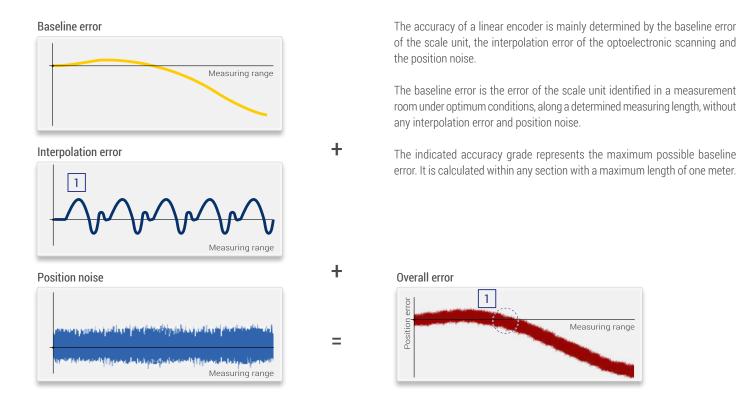
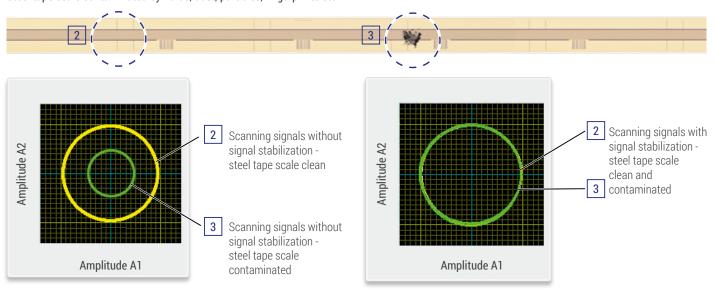


## **ACCURACY DEFINITION**



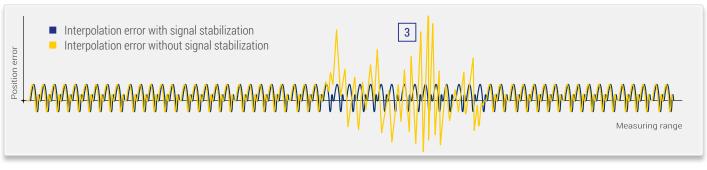
## Effect of contamination on the quality and amplitude of scanning signal

Steel tape scale contaminated by fluids, dust, particles, fingerprints etc.



## Effect of contamination on the intepolation error

Steel tape scale contaminated by fluids, dust, particles, fingerprints etc.



## **ACCURACY CHART**

The accuracy of the linear encoder is classified with a " $\pm$  tolerance" in  $\mu$ m/m (e.g.  $\pm$  5  $\mu$ m/m).

The accuracy and tolerance apply to any meter within the measuring length. For measuring lengths less than 1000 mm, the accuracy specification applies to the whole measuring length.

For best system accuracy, the encoder should be mounted near the machining level and as parallel as possible to the motion direction.

Example of a typical calibration chart for a MS 25 scale tape:

