

## Sinusoidal Profile specimen N3

Surface calibration standard featuring 3 areas of sinusoidal profiles.

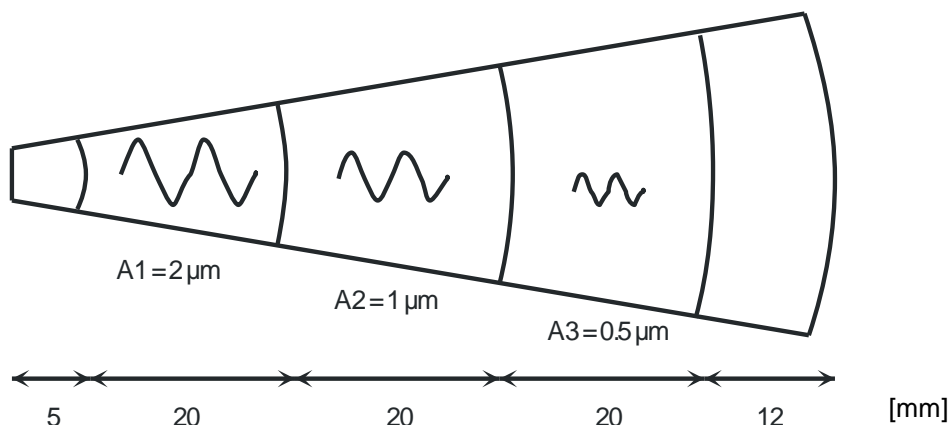
### Properties of the specimen

On a steel substrate with a hardened nickel coating, which carries the surface structure, are 3 areas with sinusoidal surface profiles having amplitudes of  $2\ \mu\text{m}$ ,  $1\ \mu\text{m}$  and  $0.5\ \mu\text{m}$ . The wavelength is  $50\ \mu\text{m}$  for all amplitude sections.

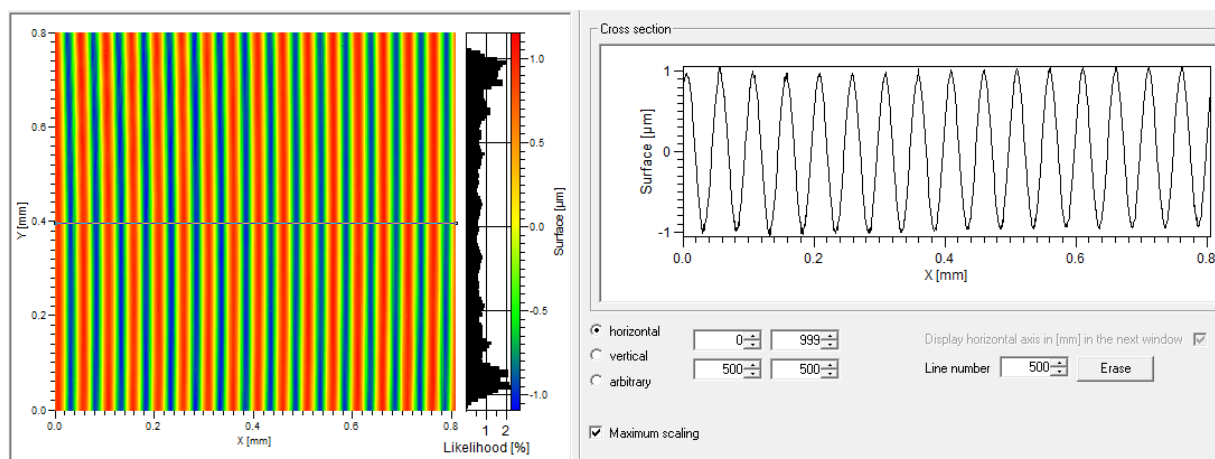
The parameters are very stable in the marked area and have a standard deviation of approx. 1 % of the calibrated values.

### Application

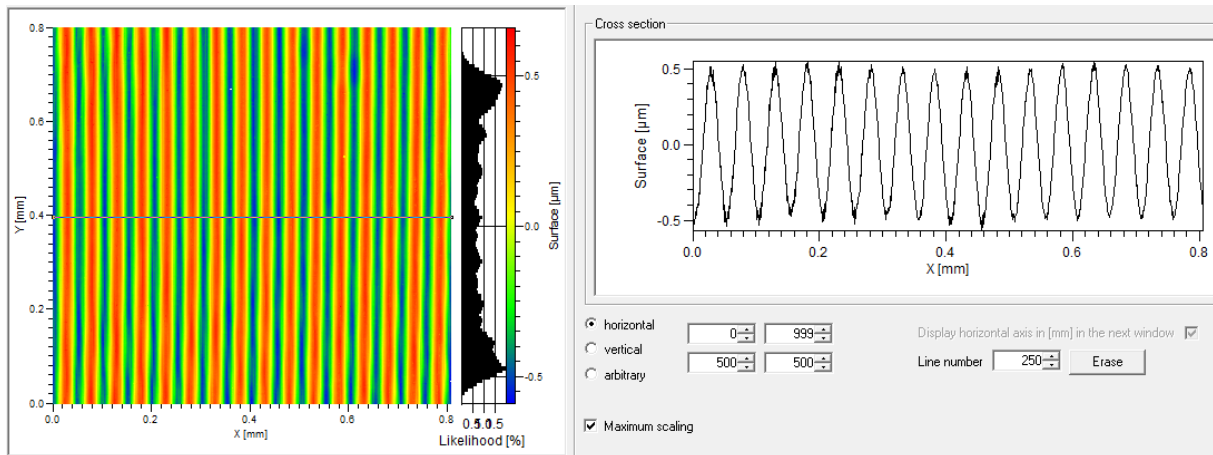
This standard lends itself for the calibration control of surface profilometers both tactile or optical. In especially the transfer characteristics/bandwidth of scanning instruments (stylus based or optical) can be tested.



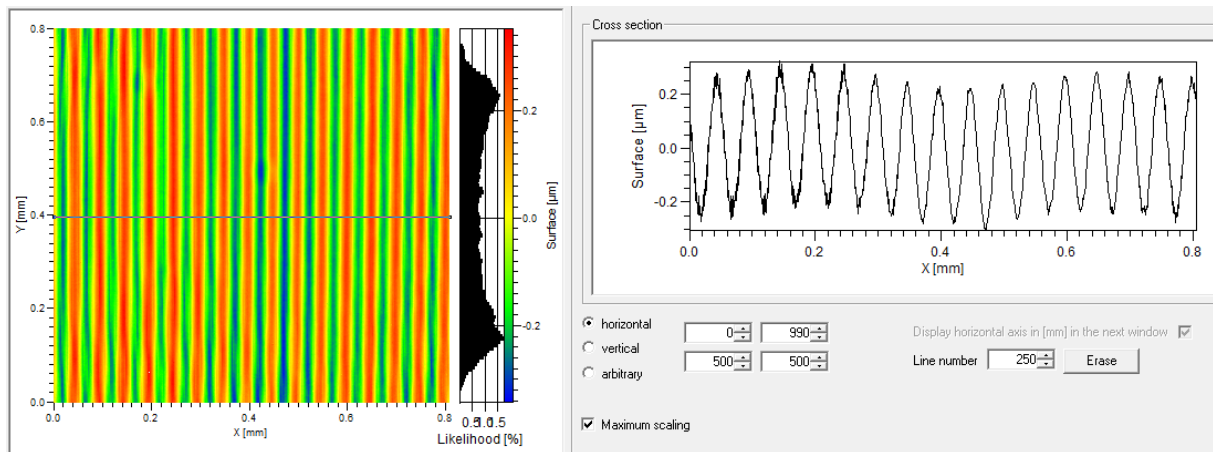
### Area 1



## Area 2



## Area 3



Scope of delivery: specimen in a wooden box with calibration certificate (Ra, Rz, Rsm).