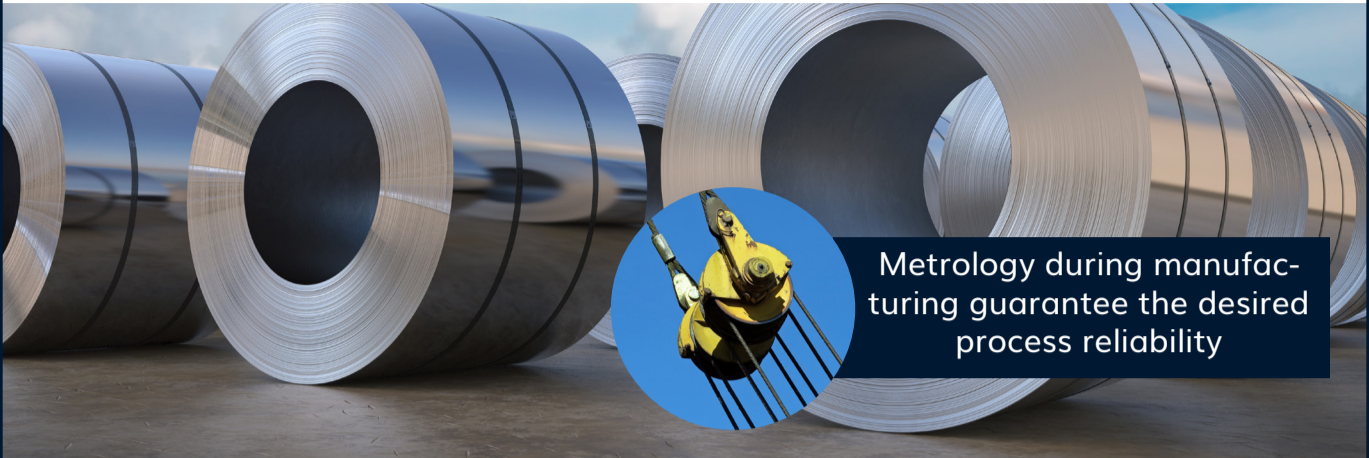


High tensile steel surfaces with spark erosion

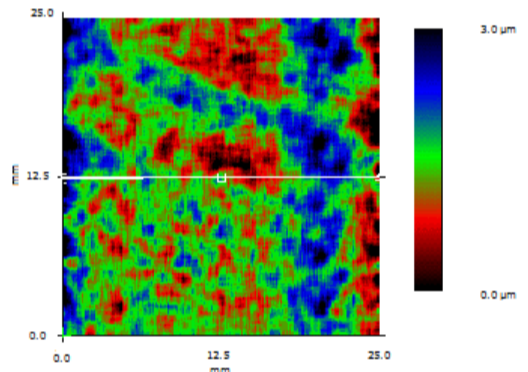
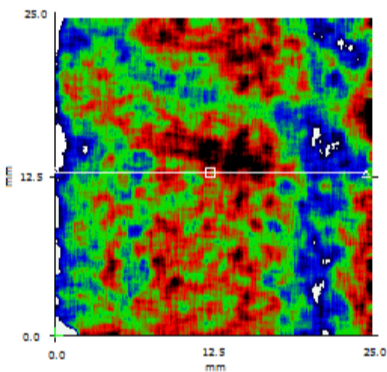


Metrology during manufacturing guarantee the desired process reliability

Analysis of mechanical and functional properties with modern surface measurement technology

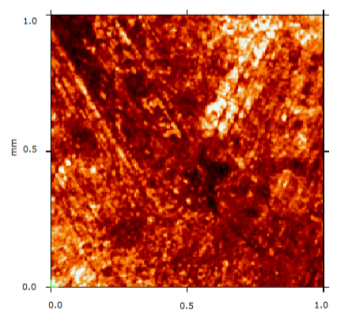
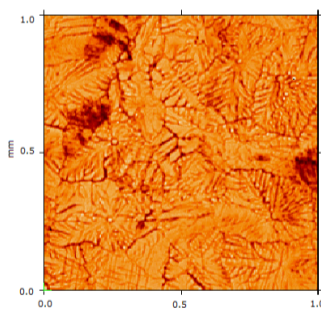
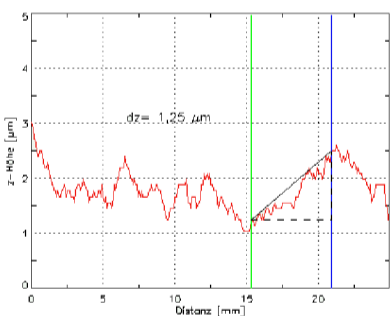
- > masks, cylinder surfaces in the automotive industry, etching matrices for embossing plastic surfaces or coins, structuring of sheet metal or rolls, deflection pulleys ...
- > 3D topography, profile, roughness, waviness, bearing curve, wear volume, planarity, step height and width, defects and much more
- > wear and contamination degree of the used steel surfaces can be controlled
- > TTV option for simultaneous measurement of both sample sides
- > optical, non-contact and non-destructive

and much more...



Topography of a used EDT structure of a deflection pulley before cleaning

... after cleaning



Functional structure of the deflection pulley surface after cleaning (Reconstructed)

Undisturbed crystal structure of an EDT steel surface before external influence

Massive disturbance of the EDT surface structure after damaging

Example for technical solution



MicroProf® 300 - optical surface metrology tool