Depressions in the outer area of the sealing strip, caused by setting tools during the assembly or dismantling of the gasket.

Partial indentation points in the centre of the sealing surfaces.

• and much more.

*KemAnalysis* facilitates an estimation of this situation. The connection between the deformation and applicable surface pressure is established by visualising the unevenness as a compression in the graphite layer and simultaneously illustrating the surface pressure by means of pressure-sensitive paper. *KemAnalysis* is assembled in the same manner as a normal gasket. The special coating securely holds the measuring device together and protects the sensitive measurement paper against chemical attack. The analysis can then begin immediately. Either by means of a purely visual estimate or with the aid of a software-supported surface analysis.

Amongst other things, *KemAnalysis* supplies:

- An insight regarding the loss of screw force during assembly.
- Insights regarding the deformations of the flange caused by assembly.
- A estimate regarding the impact of unevenness in the sealing surface upon the sealing behaviour.
- A localisation of the position of faults / damages.
- Insights for the determination of the necessary remedial actions.
- A knowledge basis for the determination of the best-possible sealing configuration.
Thanks to the software-supported evaluation, it is possible to obtain greater insights regarding:

- Partial values in MPa regarding the present surface pressure
- Potential leakage channels
- Necessity of flange reworking