High-speed camera

Observing the test stand

Determination of the acceleration at the start of a sealing ring test run
[Unpublished Master's thesis R. Harder, 2017].

Description:
- Visualisation of dynamically highly stressed sealing systems and processes that cannot be seen with the human eye
- Recording of monochrome videos
- Allows synchronisation with trigger sources, e.g. for illumination
- C-mount connection

Technical Data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1696 x 1710</td>
</tr>
<tr>
<td>Max. frame rate</td>
<td>540 fps at full resolution</td>
</tr>
<tr>
<td></td>
<td>1000000 fps at 96 x 38</td>
</tr>
</tbody>
</table>

Available Test Methods
- Observation of complex flows
- Investigation of stick-slip effects
- Analysis of dynamic start-up processes, e.g. determination of acceleration during the start-up process