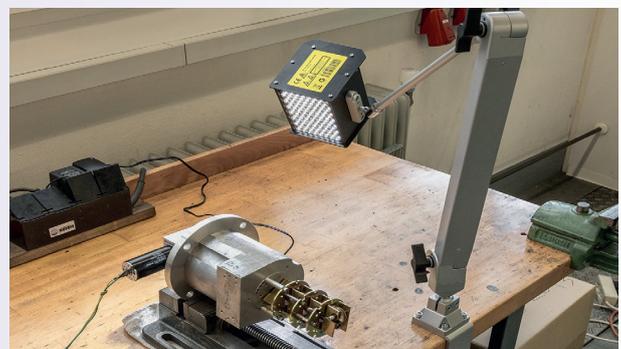
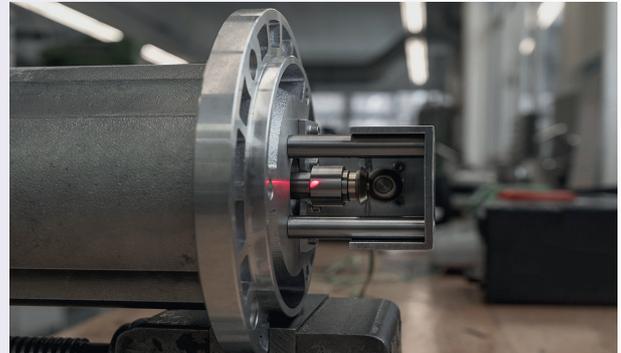


Application-Report - Setting up a Prototype Test Rig for Tacho generators

RHEINTACHO Messtechnik GmbH, with its headquarters in Freiburg, Germany, has grown to become one of the world's leading manufacturers in the field of rotational speed measurement. Due to the strong growth in recent years, it has become necessary to transfer device manufacture to the subsidiary company RHEINTACHO UK Ltd. in England for reasons of productivity and space in order to ensure the spare part supply of older devices to our customers. Recognizing the necessity to continue supplying the same high quality, documented long-term tests are carried out.

Task:

The development of a test-rig for long-term testing. The tacho generators should be monitored over a period of 2,000 hours in both directions checking rotational speed and the wear of the individual components. This makes it necessary to monitor both speed and the effects on the mechanical components very precisely.



Solution:

By using the portable stroboscope [RT Strobe super qb LED](#) (A4-3550) and its automatic synchronizing laser function, the synchronisation takes place very quickly without any manual adjustment or external sensor signals.

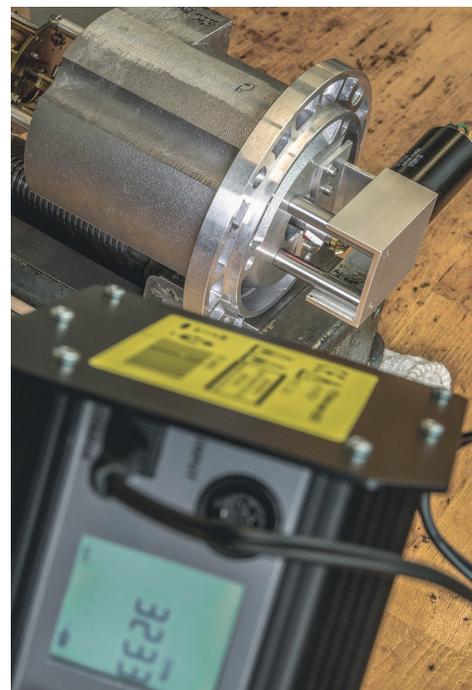
For long-term monitoring, the stroboscope is mounted on an [articulating arm](#) (N0001.637). This enables a fast, highly stable and safe mounting. The stroboscope can then easily be adjusted towards the tacho generator to be able to fulfil all the measuring and inspection tasks.



RT STROBE super qbLED



YouTube Tutorial: Tacho generator



RHEINTACHO is a flexible, highly efficient partner- wherever speed must be measured, monitored or indicated. Innovation, the most modern production techniques and equipment, meticulous quality control along with a first-class workforce are the corner stones of our company. For the past 116 years, Rheintacho has used his extensive knowledge and experience to developed sensors, systems and customized solution to meet the customer's requirements.