

Application-Report

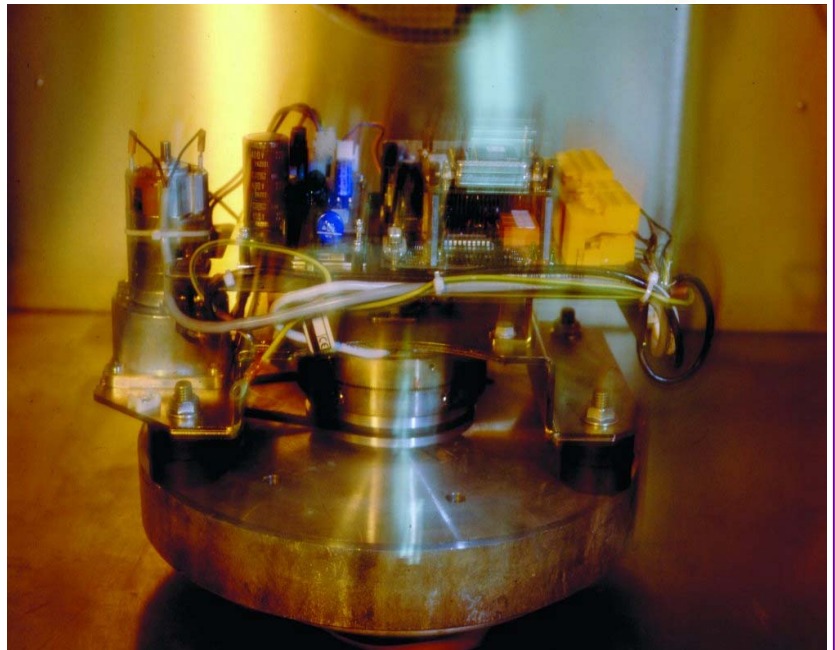
Quality Control: Shaking test



Task:

Electrical components are checked on a vibrating table for resistance to vibrations. In this way weak points of the construction can be detected in advance.

The behavior of large electrical components, plug-and-socket connections and mechanical components in particular is examined under the influence of vibrations.



Solution:

In addition to the manual flash rate setting, the ROLUX hand-held stroboscope is equipped with a trigger input, which is used to synchronize the flash frequency to the vibrating frequency. All components, which are moved at the set frequency, look as if they are at a standstill. Those components, which are still moving, are vibrating at a different frequency. In this way it is possible to conduct a visual inspection. Vibrational liabilities can be detected in advance and eliminated. The ROLUX can be operated simply with one hand, which, together with the luminous intensity of 800 Lux, makes it easier to perform operations.



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