

ABSTRACT

Micro-computer Monitoring of Vibration
In Industrial Machines

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A micro-computer vibration monitoring system was developed to monitor and analyse vibration in industrial machines. The development of the system involved the selection and design of hardware, software and an appropriate test rig. Tests were carried out to prove the integrity of the monitoring system using the function generator as a source of periodic voltage signals. The tests concluded that the system is feasible and produces adequate plots for monitoring and analysis. Further software development is required, however, to improve the resolution of the plots.