

Abstract

Systems and Methods for Modelling Radial Contact of a Micro-Shaft

The curved surface of the shaft 101 of a micro-motor is provided with an array of piezoelectric cells 300 and electronic circuitry 301, 302 for obtaining
5 electronic signals generated by the cells 300 in response to forces exerted on the cells during rotation of the micro-motor. The electronic signals are transmitted to recording equipment, which may be adapted to measure one of more of vibration and abrasion characteristics. The equipment can also
10 generate a visual display of the magnitude and location of the pressure on the cells 300.

[Fig. 3]



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