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ABSTRACT

Method and Apparatus for Measuring a Surface Property

Apparatus (and the corresponding method) for measuring a surface property is disclosed in particular for measuring the smoothness of a surface of the micro motor shaft Fig. 1 by measuring fictional resistance during rotation. The shaft 201 is position within a circular opening of a test member 202 and the shaft is rotated by a motor 203 with a force sensor 206 measuring the rotational force on the test member indicative of the frictional resistance and thus the smoothness of the shaft surface.

Fig. 2