

MEASURING THE SURFACE PROPERTIES OF POLISHING PADS USING
ULTRASONIC REFLECTANCE

ABSTRACT OF THE DISCLOSURE

The present invention provides a system and method
5 for measuring the surface properties of polishing pads
using non-contact ultrasonic reflectance. An ultrasonic
probe is located over the polishing surface and
configured to both transmit an ultrasonic signal to the
polishing surface and receive a modified ultrasonic
10 signal from the polishing surface without contacting the
polishing surface. A subsystem coupled to the ultrasonic
probe is configured to determine a surface property of
the polishing pad from the modified signal.



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