

MONITORING SYSTEM FOR DICING SAWS

ABSTRACT

A method and apparatus for accumulating dicing data for process analysis, monitoring process stability and cut quality in a substrate. The apparatus has a spindle motor with a blade attached to the spindle motor. A spindle driver is coupled to the spindle to drive the spindle at a predetermined rotation rate. A sensor is connected to the spindle motor to determine the rotation rate of the spindle. A controller is coupled to the monitor in order to control the spindle driver responsive to the load included on the blade by the substrate.

Figure 2



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