

ABSTRACT

METHOD OF FORMING CUT GROOVE

Disclosed herein is a method of forming a cut groove having a predetermined depth in a workpiece with a cutting blade along a projected dicing line set on the workpiece. The method includes a relational expression determining step of cutting a measurement member with the cutting blade to form a first preliminary cut groove therein and determining a relational expression with respect to a distance from a groove bottom of the first preliminary cut groove and a groove width of the first preliminary cut groove, a preliminary cut groove forming step of setting an amount of incision into the workpiece as being equal to or smaller than a predetermined value from a reference position and the thickness of the workpiece and forming a second preliminary cut groove in the workpiece held on the chuck table with the cutting blade along the projected dicing line, and a depth calculating step of capturing an image of the second preliminary cut groove, measuring a groove width of the second preliminary cut groove, and calculating a depth of the second preliminary cut groove from the groove width of the second preliminary cut groove and the relational expression.

(Figure 3)