

WAFER PROCESSING METHOD

ABSTRACT OF THE DISCLOSURE

A wafer processing method includes a polyolefin sheet providing step of positioning a wafer in an inside opening of a ring frame and providing a polyolefin sheet on a back side or a front side of the wafer and on a back side of the ring frame, a uniting step of heating the polyolefin sheet as applying a pressure to the polyolefin sheet to thereby unite the wafer and the ring frame through the polyolefin sheet by thermocompression bonding, a dividing step of applying a laser beam to the wafer to form shield tunnels in the wafer, thereby dividing the wafer into individual device chips, and a pickup step of applying an ultrasonic wave to the polyolefin sheet, pushing up each device chip through the polyolefin sheet, and picking up each device chip from the polyolefin sheet.

[Fig. 4]