

METHOD OF PROCESSING WORKPIECE AND LASER PROCESSING

APPARATUS

ABSTRACT

A method of processing a plate-shaped workpiece includes a sheet affixing step of laying a thermocompression bonding sheet on a surface of the workpiece and heating and pressing the thermocompression bonding sheet against the workpiece to affix the thermocompression bonding sheet to the workpiece, a laser beam applying step of applying a laser beam having a wavelength absorbable by the workpiece to another surface of the workpiece along a projected dicing line established thereon, thereby processing the workpiece along the projected dicing line, and a sheet joining step of pressing the thermocompression bonding sheet while reheating the thermocompression bonding sheet to soften the same, so that the thermocompression bonding sheet is joined up by closing dividing grooves or through holes made in the thermocompression bonding sheet when the workpiece is processed in the laser beam applying step.

[FIG. 1]