WHAT IS CLAIMED IS:

1. A processing method for a workpiece, comprising:

a first processing groove forming step of forming, by a first processing unit, a first processing groove that has a depth not reaching a face side of the workpiece, in a state in which the face side is held and a reverse side of the workpiece that is positioned on an opposite side of the face side is exposed;

an imaging step of, after the first processing groove forming step, imaging the first processing groove by a first imaging unit, in a state in which the workpiece is held by a holding table having an area formed with a transparent material, and imaging, by a second imaging unit provided on an opposite side of the first imaging unit with respect to the holding table, a predetermined line that is provided on the face side and that is formed at a position corresponding to that of the first processing groove in a thickness direction of the workpiece;

a detecting step of, after the imaging step, detecting whether or not a position of a first center line of the first processing groove imaged by the first imaging unit and a position of a second center line of

the predetermined line imaged by the second imaging unit are aligned in a predetermined plane; and

a correcting step of, when the position of the first center line and the position of the second center line are detected as not being aligned in the detecting step, correcting a processing position in such a manner as to make the positions of the two center lines aligned,

the processing method further comprising:

before the imaging step, a second processing groove forming step of forming, by a second processing unit, a second processing groove that is positioned on an opposite side of the first processing groove in the thickness direction of the workpiece and that has a depth not reaching the first processing groove, in a state in which the reverse side is held on the holding table and the face side is exposed, wherein

the predetermined line is an opening of the second processing groove formed in the face side,

in the detecting step, whether or not the position of the first center line of the first processing groove imaged by the first imaging unit and the position of the second center line of the second processing groove imaged by the second imaging unit are aligned in the predetermined plane

is detected, and,

in the correcting step, a processing position of the second processing unit is corrected.

2. The processing method for a workpiece according to claim 1, wherein

at least one of the first processing unit or the second processing unit has a cutting blade that has a V-shaped outer circumferential end portion as viewed in cross section, and

at least one of the first processing groove or the second processing groove has a V-shape as viewed in cross section, according to the shape of the outer circumferential end portion of the cutting blade.

3. The processing method for a workpiece according to claim 1, wherein at least one of the first processing unit or the second processing unit is a laser application unit that is capable of emitting a pulsed laser beam having a wavelength absorbable by the workpiece.

4. The processing method for a workpiece according to claim 1, further comprising:

a dividing step of dividing the workpiece by a third processing unit in such a manner as to connect to each other the first processing groove and the second

processing groove that are formed in corresponding positions in the thickness direction of the workpiece.