WHAT IS CLAIMED IS:

1. A method of processing a workpiece, comprising:

a holding step of holding a face side of the workpiece on a holding table having a region made of a transparent material while a reverse side of the workpiece is being exposed; and

a processed groove forming step of forming a first processed groove by cutting the workpiece held on the holding table with a first cutting blade and a second processed groove in the workpiece by cutting the workpiece held on the holding table with a second cutting blade, wherein

the processed groove forming step includes

a first processed groove forming step of forming the first processed groove in the workpiece, the first processed groove having a predetermined depth short of the face side, with the first cutting blade having a first thickness,

a first image capturing step of capturing an image of the first processed groove on the reverse side of the workpiece,

a second processed groove forming step of positioning the second cutting blade that has a second thickness at the first processed groove and forming the

second processed groove in the workpiece along the first processed groove, the second processed groove extending to the face side, thereby dividing the workpiece,

a second image capturing step of capturing an image of the second processed groove on the face side of the workpiece through the holding table, and

a detecting step of detecting whether or not a position of a first central line of the first processed groove whose image has been captured in the first image capturing step and a position of a second central line of the second processed groove whose image has been captured in the second image capturing step are in conformity with each other in a predetermined plane, and

if the position of the first central line and the position of the second central line are not in conformity with each other in the predetermined plane in the detecting step, then the processed groove forming step further has a correcting step of correcting at least one of a position of a center of the first cutting blade and the center of the second cutting blade in order to bring the position of the first central line and the position of the second central line into conformity with each other.

2. The method of processing a workpiece according to

claim 1, wherein

the detecting step includes

a first kerf checking step of, after the first image capturing step, detecting a first deviation of the first central line of the first processed groove whose image has been captured in the first image capturing step, from a first reference line; and

a second kerf checking step of, after the second image capturing step, detecting a second deviation of the second central line of the second processed groove whose image has been captured in the second image capturing step, from a second reference line.

3. The method of processing a workpiece according to claim 2, wherein

the correcting step includes

a first hairline adjustment step of, after the first kerf checking step, if a first deviational distance in which the first central line deviates from the first reference line is larger than a first predetermined threshold value, bringing the first reference line into alignment with the first central line; and

a second hairline adjustment step of, after the second kerf checking step, if a second deviational distance in which the second central line deviates from

the second reference line is larger than a second predetermined threshold value, bringing the second reference line into alignment with the second central line.

4. The method of processing a workpiece according to claim 2 or claim 3, wherein

in the first kerf checking step, if the first central line and the first reference line are positionally aligned with each other,

an additional first processed groove forming step is performed.

5. The method of processing a workpiece according to any one of claims 2 to 4, wherein

in the second kerf checking step, if the second central line and the second reference line are positionally aligned with each other,

an additional second processed groove forming step is performed.

6. The method of processing a workpiece according to any one of the preceding claims, wherein

in the first processed groove forming step, the first processed groove is formed in an outer circumferential extra region existing around a device region.

7. The method of processing a workpiece according to any one of the preceding claims, wherein

the second cutting blade is of the same edge thickness than the first cutting blade.

8. The method of processing a workpiece according to any one of the preceding claims, wherein

the second cutting blade is smaller in edge thickness than the first cutting blade.

9. The method of processing a workpiece according to any one of the preceding claims, wherein

the first image capturing step includes capturing an image of the first processed groove on the reverse side with visible light using a first image capturing unit disposed above the workpiece, and

the second image capturing step includes capturing an image of the second processed groove on the face side with visible light through the holding table using a second image capturing unit disposed below the workpiece.

10. The method of processing a workpiece according to any one of the preceding claims, wherein

the first image capturing step includes capturing an image of the first processed groove on the reverse side with infrared radiation through the holding table using a third image capturing unit disposed below the

workpiece, and

the second image capturing step includes capturing an image of the second processed groove on the face side with infrared radiation through the holding table using the third image capturing unit.