What is claimed is:

1. An inspecting apparatus comprising:

a plurality of light sources positioned in the periphery of a transparent member for illuminating said transparent member from the outside of the circumference thereof, wherein the transparent member includes an upper surface and a lower surface, with the circumference connecting the upper surface to the lower surface, wherein the plurality of light sources project light into said transparent member through the upper surface and the circumference, wherein said light sources are each configured and arranged to apply white light to said transparent member;

imaging means adapted to be opposed to said transparent member for imaging said transparent member illuminated by said plurality of light sources; and

displaying means for displaying an image obtained by said imaging means; and

an annular plate having an inner diameter that is larger than an outer diameter of the transparent member, wherein said plurality of light sources are spaced from each other and located on a surface of said annular plate, wherein the transparent member is attached to an adhesive tape that is fixed at its outer peripheral portion to an annular frame, and further wherein said annular plate has an outer diameter that is smaller than an inner diameter of the annular frame, and

wherein said annular plate is seated upon the adhesive tape.

2. The inspecting apparatus according to claim 1, further comprising:

storing means for storing the image obtained by said imaging means and the position of a crack present in said

transparent member, said crack being detected according to the image obtained by said imaging means.

3. A laser processing apparatus comprising:

a chuck table for holding a transparent member;

moving means for moving said chuck table in an X direction and a Y direction perpendicular to said X direction;

laser beam applying means for applying a laser beam to said transparent member held on said chuck table;

a plurality of light sources positioned in the periphery of said transparent member held on said chuck table for illuminating said transparent member from the outside of the circumference thereof, wherein the transparent member includes an upper surface and a lower surface, with the circumference connecting the upper surface to the lower surface, wherein the plurality of light sources project light into said transparent member through the upper surface and the circumference;

imaging means adapted to be opposed to said transparent member held on said chuck table for imaging said transparent member illuminated by said plurality of light sources;

an annular plate having an inner diameter that is larger than an outer diameter of the transparent member, wherein said plurality of light sources are spaced from each other and located on a surface of said annular plate, wherein the transparent member is attached to an adhesive tape that is fixed at its outer peripheral portion to an annular frame, and further wherein said annular plate has an outer diameter that is smaller than an inner diameter of the annular frame, wherein said annular plate is seated upon the adhesive tape;

displaying means for displaying an image obtained by said imaging means; and

control means, including a central processing unit, configured and arranged for controlling operation of said moving means, said laser beam applying means, said imaging

means and said displaying means, wherein said control means also includes a storing means for storing images obtained by said imaging means,

wherein said control means is configured and arranged for storing a first image obtained by said imaging means before laser processing said transparent member with said laser beam applying means and a position of a crack, and for storing a second image, of the position including the crack, obtained by said imaging means after laser processing said transparent member with said laser beam applying means; and

wherein said control means is configured and arranged to compare the first image with the second image to determine whether the laser processing had an effect on the crack.

4. The laser processing apparatus according to claim 3, wherein while said chuck table holding said transparent member is being moved by said moving means, the whole area of one side of said transparent member is imaged by said imaging means.

5. The laser processing apparatus according to claim 3, wherein said transparent member includes a wafer formed of lithium tantalate or lithium niobate.

6. The laser processing apparatus according to claim 3, wherein said light sources are each configured and arranged to apply white light to said transparent member.

7. The laser processing apparatus according to claim 3, wherein the plurality of light sources directly project light into said transparent member.

8. The inspecting apparatus according to claim 1, wherein the plurality of light sources directly project light into said transparent member.

9. A laser processing apparatus comprising:

a chuck table for holding a transparent member;

moving means for moving said chuck table in an X direction and a Y direction perpendicular to said X direction;

laser beam applying means for applying a laser beam to said transparent member held on said chuck table;

a plurality of light sources positioned in the periphery of said transparent member held on said chuck table for illuminating said transparent member from the outside of the circumference thereof, wherein the transparent member includes an upper surface and a lower surface, with the circumference connecting the upper surface to the lower surface, wherein the plurality of light sources project light directly into said transparent member through the upper surface and the circumference;

imaging means adapted to be opposed to said transparent member held on said chuck table for imaging said transparent member illuminated by said plurality of light sources;

an annular plate having an inner diameter that is larger than an outer diameter of the transparent member, wherein said plurality of light sources are spaced from each other and located on a surface of said annular plate, wherein the transparent member is attached to an adhesive tape that is fixed at its outer peripheral portion to an annular frame, and further wherein said annular plate has an outer diameter that is smaller than an inner diameter of the annular frame, wherein said annular plate is seated upon the adhesive tape;

displaying means for displaying an image obtained by said imaging means; and

control means, including a central processing unit, configured and arranged for controlling operation of said moving means, said laser beam applying means, said imaging means and said displaying means, wherein said control means also includes a storing means for storing images obtained by said imaging means,

wherein said control means is configured and arranged for storing a first image obtained by said imaging means before laser processing said transparent member with said laser beam applying means and a position of a crack, and for storing a second image, of the position including the crack, obtained by said imaging means after laser processing said transparent member with said laser beam applying means.