WHAT IS CLAIMED IS:

1. A chuck table comprising:

a first holding surface and a second holding surface that each have a same shape and are parallel to each other; and

a reference surface that surrounds each of the first holding surface and the second holding surface in plan view and is parallel to the first holding surface and the second holding surface, wherein

the chuck table holds each of workpieces by a respective one of the first holding surface and the second holding surface,

the first holding surface and the second holding surface are disposed in such a manner that heights from the reference surface are in increasing order along a first direction parallel to each of the first holding surface and the second holding surface, and

the workpieces are grinded by a grinding unit having a spindle with a tip part on which a grinding wheel in which multiple grinding abrasive stones annularly disposed are mounted, wherein the chuck table and the grinding unit are relatively moved along the first direction and the multiple grinding abrasive stones that rotate are brought into contact with the workpieces each held by the respective

one of the first holding surface and the second holding surface while an interval between the reference surface and the multiple grinding abrasive stones along a second direction perpendicular to each of the reference surface, the first holding surface and the second holding surface is widened, in a stepwise manner to cause the workpieces each held by the respective one of the first holding surface and the second holding surface to have a predetermined finished thickness.

2. A grinding method for workpieces in which the workpieces are ground by using a grinding apparatus,

the grinding apparatus including

a chuck table including a first holding surface and a second holding surface that each have a same shape and are parallel to each other and a reference surface that surrounds each of the first holding surface and the second holding surface in plan view and is parallel to the first holding surface and the second holding surface, and holding each of the workpieces by a respective one of the first holding surface and the second holding surface,

a grinding unit having a spindle with a tip part on which a grinding wheel in which multiple grinding abrasive stones are annularly disposed is

mounted,

a first movement mechanism that relatively moves the chuck table and the grinding unit along a first direction, and

a second movement mechanism that relatively moves the chuck table and the grinding unit along a second direction perpendicular to each of the reference surface, the first holding surface, and the second holding surface,

the first holding surface and the second holding surface being disposed in such a manner that heights from the reference surface are in increasing order along the first direction parallel to each of the first holding surface and the second holding surface, the grinding method comprising:

a holding step of causing each of the workpieces to be held by the respective one of the first holding surface and the second holding surface; and

a grinding step of, after the holding step, grinding the workpieces by relatively moving the chuck table and the grinding unit along the first direction and bringing the multiple grinding abrasive stones that rotate into contact with the workpieces each held by the respective one of the first holding surface and the

second holding surface while widening an interval between the reference surface and the multiple grinding abrasive stones along the second direction in a stepwise manner to cause the workpieces each held by the respective one of the first holding surface and the second holding surface to have a predetermined finished thickness.

3. A grinding method for workpieces in which the workpieces are ground by using a grinding apparatus,

the grinding apparatus including

a chuck table including a first holding surface and a second holding surface that each have a same shape and are parallel to each other and a reference surface that surrounds each of the first holding surface and the second holding surface in plan view and is parallel to the first holding surface and the second holding surface, and holding each of the workpieces by a respective one of the first holding surface and the second holding surface,

a grinding unit having a spindle with a tip part on which a grinding wheel for the chuck table in which multiple grinding abrasive stones for the chuck table are annularly disposed or a grinding wheel for the workpiece in which multiple grinding abrasive stones for the workpiece are annularly disposed is mounted,

a first movement mechanism that relatively moves the chuck table and the grinding unit along a first direction parallel to each of the reference surface, the first holding surface, and the second holding surface, and

a second movement mechanism that relatively moves the chuck table and the grinding unit along a second direction perpendicular to each of the reference surface, the first holding surface, and the second holding surface, the grinding method comprising:

a holding surface grinding step of grinding the chuck table by relatively moving the chuck table and the grinding unit in which the grinding wheel for the chuck table is mounted on the tip part of the spindle along the first direction and bringing the multiple grinding abrasive stones for the chuck table that rotate into contact with the chuck table while widening an interval between the reference surface and the multiple grinding abrasive stones for the chuck table along the second direction in a stepwise manner to cause heights of the first holding surface and the second holding surface from the reference surface to be in increasing order along the first direction;

a holding step of causing each of the workpieces

to be held by the respective one of the first holding surface and the second holding surface after the holding surface grinding step; and

a grinding step of, after the holding step, grinding the workpieces by relatively moving the chuck table and the grinding unit in which the grinding wheel for the workpiece is mounted on the tip part of the spindle, along the first direction, and bringing the multiple grinding abrasive stones for the workpiece that rotate into contact with the workpieces each held by the respective one of the first holding surface and the second holding surface while widening an interval between the reference surface and the multiple grinding abrasive stones for the workpiece along the second direction in a stepwise manner to cause the workpieces each held by the respective one of the first holding surface and the second holding surface to have a predetermined finished thickness.