WHAT IS CLAIMED IS:

1. A cutting apparatus that cuts a workpiece by a cutting blade, the cutting apparatus comprising:

a chuck table that holds a board in which a groove is formed through cutting of the board by the cutting blade;

a cutting unit having a spindle and a mount flange that is fixed to a tip part of the spindle and on which the cutting blade is mounted; and

a replacement apparatus that replaces the cutting blade mounted on the mount flange with the cutting blade stored in a blade storing part and replaces the board placed on the chuck table with the board stored in a board storing part, wherein

the replacement apparatus includes a holding part that holds the cutting blade or the board under suction,

the holding part includes a blade suction pad that gets contact with the cutting blade or a base for fixing the cutting blade and holds the cutting blade under suction and a board support part that protrudes to an outside of the holding part relative to a tip of the blade suction pad and supports the board, and

the board held under suction by the holding part is supported by the board support part in a state in which

the board is not in contact with the blade suction pad.

2. The cutting apparatus according to claim 1, wherein

the holding part has a suction path connected to a suction source or a gas supply path connected to a gas supply source, and

the suction path or the gas supply path communicates with a surface side that faces the cutting blade or the board in the holding part.

3. The cutting apparatus according to claim 1, wherein

the holding part of the replacement apparatus comprises a first holding part and a second holding part,

the first holding part holds the cutting blade mounted on the mount flange or the board placed on the chuck table, and

the second holding part holds the cutting blade stored in the blade storing part or the board stored in the board storing part.

4. The cutting apparatus according to claim 1, wherein

the cutting blade includes an annular held portion and a cutting edge formed at an outer circumferential part of the held portion, and

the holding part holds the held portion under suction through causing a negative pressure to act on the held portion.

5. The cutting apparatus according to claim 1, wherein

the base includes a first surface, a second surface that supports the cutting blade, and a through-hole that reaches the second surface from the first surface, and

the holding part holds the base under suction through causing a negative pressure to act on the first surface and holds the cutting blade under suction through causing a negative pressure to act on the second surface through the through-hole.