

## ABSTRACT

Provided is a grinding robot (1000). The grinding robot (1000) includes a main rack (60) and a flip bracket (70) pivotally connected to the main rack (60) through a pin shaft (73). A flip device is further provided between the flip bracket (70) and the main rack (60) and includes a first drive portion (10) and a linkage mechanism (20). The first drive portion (10) is disposed on the main rack (60). One end of the linkage mechanism (20) is pivotally connected to the main rack (60) and another end of the linkage mechanism (20) is pivotally connected to the flip bracket (70). A spacing exists between a pivot point between the flip bracket (70) and the main rack (60) and a pivot point between the flip bracket (70) and the linkage mechanism (20). The first drive portion (10) is drivingly connected to the linkage mechanism (20), when driven by the first drive portion (10), the linkage mechanism (20) is capable of driving the flip bracket (70) to be flipped relative to the main rack (60), and the flip bracket (70) has a first state in which the flip bracket (70) is folded relative to the main rack (60) and a second state in which the flip bracket (70) is extended relative to the main rack (60).

Fig. 1a