LIFTING DEVICE AND OPERATION METHOD THEREOF

ABSTRACT

The present invention discloses a lifting device and its operation method. The lifting device includes a frame, a lifting drive mechanism, a lifting arm assembly and a sensing assembly. The lifting drive mechanism includes a chain, a sprocket, a lifting motor and an electric control box, wherein the lifting motor drives the chain to move up and down through the sprocket. The lifting arm assembly is connected to the chain, and used to pick and place a hopper and drive the hopper to move up and down following the chain. The sensing assembly includes a position sensing sheet, a descending position sensor, a descending limit sensor, an ascending position sensor and an ascending limit sensor.

(Figure 1)