

Abstract

The present invention relates to the field of disc type tool magazine technology, in particular to a self-lubricating tool magazine reversing device and a disc type tool magazine, comprising: a tool reversing cylinder and a tool reversing jaw, the tool reversing jaw being formed with an opening adapted to a roller provided at the end a pocket, and the tool reversing cylinder driving the tool reversing jaw to move reciprocally to drive the pocket to flip and reset, wherein the top of the tool reversing jaw is hollow to form a cavity, the cavity being sealed and located on one side of the opening for receiving grease, wherein a communication groove and an abutting groove are provided between the cavity and the opening, the communication groove connecting the cavity and the side wall of the abutting groove and formed with a feeding end through which the grease enters the communication groove and a discharging end, wherein the abutting groove is provided with a piston therein to block the discharging end, wherein the piston moves into the abutting groove during the downward movement of the tool reversing jaw driven by the tool reversing cylinder to press the roller so as to release the blocking of the discharging end. In this way, the grease can enter the opening from the discharging end and be coated between the roller and the too reversing jaw, realizing the self-lubricating effect of the pocket during the reversing process and ensuring the coating effect.

[Fig. 3]