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ABSTRACT

METHOD FOR ADJUSTING ZERO POINT FOR LOAD CELL IN A MOTOR- DRIVEN INJECTION MOLDING MACHINE

A motor-driven injection molding machine includes an injection device driven by a servo motor, and a load cell for detecting a pressure of a molten resin stored in front of a screw. A position detector detects a position of a screw, and a controller controls the servo motor in accordance with detected values obtained by the load cell and the position detector. The controller controls, in response to a command to adjust a zero point for the load cell, the servo motor to advance and retract the screw in an advancing movement and a retracting movement a plurality of times in a back and forth movement, and calculates an average value of a corresponding plurality of detected values obtained by the load cell during the back and forth movement of the screw to adjust the zero point for the load cell.

Fig. 1



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