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(57) Abstract :

An automatic food serving machine is described herein. It is specifically designed for marriage parties to minimize human effort and enhance the efficiency of food distribution. An automatic food serving machine comprising an electric motor connected to a metal arm for dispensing food, a hopper for holding the food, a motor drive circuit to control the motor, a timer circuit with a 555 IC to control the operation time of the motor, a sensor system comprising a LASER and LDR to detect the presence of a plate, a relay to switch the motor on and off, a voltage regulator (7805) to provide a stable power supply, a structural components including hard board and sun board for housing the system. By integrating modern technology with traditional food-serving processes, this machine offers a practical solution to the challenges of catering at large events.

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