

ABSTRACT

The Smart Slow Juicer is a breakthrough in the latest modification of the slow juicer with problems such as jammed pulp due to the position of the pulp piled up, requiring the auger rotation to reverse automatically so that the pulp position can be more evenly distributed. The working Fuzzy system can provide the right decision in optimizing the automatic duration adjustment based on the weight of the fruit or vegetables being processed, the juicer can optimize the processing time. Safety features such as auto shut-off or overload and overheating protection ensure that the juice processing process is safe for the user and prevents damage to the motor or other components. Other features allow users to monitor processes such as power, duration, temperature and weight. So that the processed results can be controlled both in terms of quality and quantity in one LCD display.

Keywords: Smart, Auger, Fuzzy, Security & Monitoring.