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(57) Abstract :

The invention relates to the field of a w cutting equipment, and more specifically to a cutting system for cutting and segmenting fruit. The fruit and vegetable cutter includes one or more sensors disposed in the cutter to sense various attributes of fruit such as type of fruit, shape & size of fruit, a database for storing input data receiving from the one or more sensor, a storage unit configured to store machine-readable instruction, a cutting assembly having a knife for slidable insertion into curvilinear object, a support member being arcuate in shape, and having a first end and a second end, and a one or more processing unit configured to analyze the sensor data and determine therefrom the path of knife and the speed of knife approaching object.

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