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(57) Abstract :

An automated biodegradable plate manufacturing device, comprising a housing 1 developed to be positioned on a ground surface, the housing 1 is arranged with a touch interactive display panel 2 for providing input regarding dimensions and number of biodegradable plates, a multi-sectioned chamber 3 arranged within housing 1 for storing different waste material, multiple electronically controlled nozzles 4 are integrated on chamber 3 for dispensing material from chamber 3, a container 5 for receiving dispensed material, a motorized blade for shredding dispensed material, an electronically controlled valve 6 for dispensing a portion of mixture onto tray 7, a molding unit 8 via a hydraulic actuator 9 to get extended for providing impact of molding unit 8 onto portion to form cast of a biodegradable plate and an air blower 10 arranged within housing 1 for blow drying plate.

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